

0073378
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100/300 AREA UNIT MANAGERS MEETING

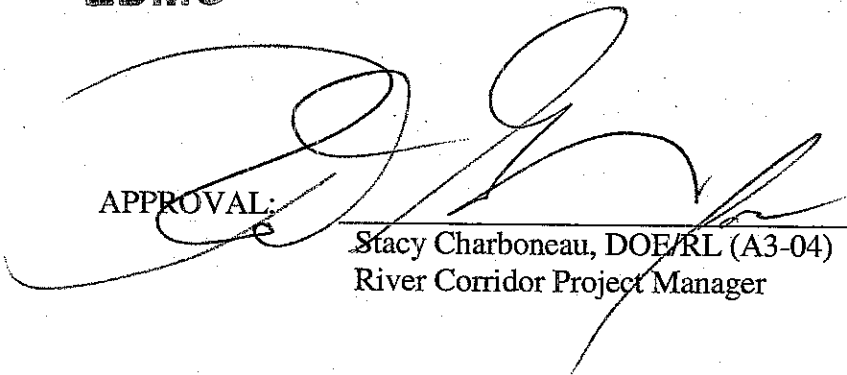
APPROVAL OF MINUTES

June 14, 2007

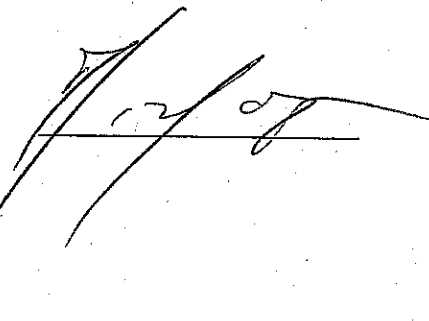
RECEIVED
JUL 30 2007

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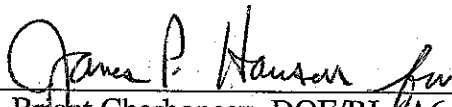
APPROVAL:


Stacy Charboneau, DOE/RL (A3-04)
River Corridor Project Manager

Date


7/12/07

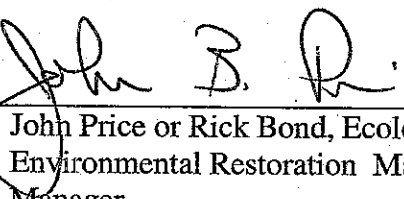
APPROVAL:


James P. Hanson for
Bright Charboneau, DOE/RL (A6-33)
Groundwater Project Manager

Date

7/12/07

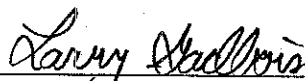
APPROVAL:


John Price or Rick Bond, Ecology (H0-57)
Environmental Restoration Manager or D4
Manager

Date

7/12/2007

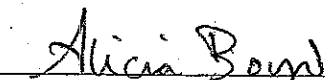
APPROVAL:


Larry Gadbois, Rod Lobos, or Dennis
Faulk, EPA (B1-46)
100 Aggregate Area Unit Manager

Date

7-12-2007

APPROVAL:


Alicia Boyd, EPA (B1-46)
300 Aggregate Area Unit Manager

Date

July 12, 2007

100/300 AREA UNIT MANAGER MEETING

ATTENDANCE AND DISTRIBUTION

June 14, 2007

NAME	E-MAIL ADDRESS	MSIN	COMP	SIGNATURE
Cook, Sylvia	Original +1 copy	H6-08	ADREC	N/A
Bazzell, Kevin D	Kevin_D_Bazzell@rl.gov	A3-04	DOE	
Charboneau, Briant L	Briant_L_Charboneau@rl.gov	A6-33	DOE	
Clark, Clifford E	Clifford_E_Cliff_Clark@rl.gov	A5-15	DOE	<i>Clifford E. Clark</i>
Guercia, Rudolph F	Rudolph_F_Rudy_Guercia@rl.gov	A3-04	DOE	<i>Rudy Guercia</i>
Hanson, James P	James_P_Hanson@rl.gov	A5-13	DOE	<i>James P. Hanson</i>
Hildebrand, R Doug	R_D_Doug_Hildebrand@rl.gov	A6-38	DOE	
Johnson, Vernon G	Vernon_G_Johnson@rl.gov	N/A	DOE	
Morse, John G	John_G_Morse@rl.gov	A6-11	DOE	
Robertson, Owen	Owen_Jr_Robertson@rl.gov	A3-04	DOE	
Sands, John P	John_P_Sands@rl.gov	A3-04	DOE	
Smith, Chris	Douglas_C_Chris_Smith@rl.gov	A3-04	DOE	<i>Chris Smith</i>
Thompson, Mike	K_M_Mike_Thompson@rl.gov	A6-38	DOE	<i>Mike Thompson</i>
Tortoso, Arlene C	Arlene_C_Tortoso@rl.gov	A6-38	DOE	
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Zeisloft, Jamie	Jamie_Zeisloft@rl.gov	A3-04	DOE	
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Bond, Fredrick W	FBON461@ECY.WA.GOV	H0-57	ECO	<i>Fredrick W Bond</i>
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Shea, Jacqueline	JASH461@ECY.WA.GOV	H0-57	ECO	<i>Jacqueline Shea</i>
Smith-Jackson, Noel	NSMI461@ECY.WA.GOV	H0-57	ECO	<i>Noel Smith-Jackson</i>
Vanni, Jean	Jvan461@ECY.WA.GOV	H0-57	ECO	
Whalen, Cheryl	CWHA461@ECY.WA.GOV	H0-57	ECO	
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Einan, Dave	EINAN.DAVID@EPA.GOV	B1-46	EPA	
Faulk, Dennis A	FAULK.DENNIS@EPA.GOV	B1-46	EPA	
Gadbois, Larry E	GADBOIS.LARRY@EPA.GOV	B1-46	EPA	<i>Larry E Gadbois</i>

100 & 300 AREA UNIT MANAGER MEETING MINUTES

Groundwater, Source Operable Units, Facility (D4 and ISS), and End State and Final Closure

June 14, 2007

Washington Closure Hanford (WCH) Building, 2620 Fermi Drive, Richland, Washington

ADMINISTRATIVE

- Next Unit Manager Meeting (UMM) - The next meeting will be held July 12, 2007 at the Washington Closure Hanford (WCH) Office Building, 2620 Fermi Avenue, room C209.
- Attendees/Delegations - Attachment A is the list of attendees. Representatives from each agency were present to conduct the business of the Unit Managers Meeting. Attachment B documents any delegations received from the regulatory agencies.
- Approval of Minutes -- The May 10, 2007 meeting minutes were approved by the U.S. Environmental Protection Agency (EPA), Washington State Department of Ecology (Ecology), and U.S. Department of Energy, Richland Operations Office (RL).
- Action Item Status - Status of action items was performed, and updates provided (Attachment C).
- Agenda: Attachment D is the meeting agenda.

EXECUTIVE SESSION (Tri-Parties Only)

- 100 Area ESD to Add Waste Sites

Agreement: The Tri-Parties agree that the 100 Area Explanation of Significant Difference (ESD) needs to occur, and that it is necessary to update the public on the scope addition to the 100 Area remediation (i.e., adding waste sites).

Action 1: RL will provide a draft of the 100 Area Explanation of Significant Difference (ESD), which adds waste sites, to EPA and Ecology for review.

Action 2: RL will provide EPA and Ecology with the schedule for the next revision of the 100 Area Remedial Design Report/Remedial Action Work Plan.

100/300 AREA GROUNDWATER

Attachment 1 provides a status or information. No issues were identified, no agreements were documented, and no actions were documented.

GROUNDWATER/SOURCE INTEGRATION

Attachment 2 is a table identifying the action items on the recent *Comprehensive Environmental Response, Compensation, and Liability Act* five-year review. EPA led the discussion and provided a status on the actions, except those covered by the 200 Area.

Agreement: EPA, Ecology, and RL agreed to update the five-year review action item list at the monthly Unit Managers Meeting.

100/300 AREA FIELD REMEDIATION CLOSURE

Attachments 3, 4, 5, 6, 7, 8, 9, and 10 provide a status or information for various projects in the 100/300 Area Field Remediation (FR) Project. Attachment 3 covers the 100-F Area. Attachment 4 documents an agreement from Ecology regarding piping at the 1312-N facility in the 100-N Area. Attachment 5 is a draft proposal to close-out action item 100-132 regarding the verification sampling approach for tritium in soil due to evapotranspiration. Attachment 6 covers sampling and design. Attachment 7 covers the 100-B/C Area. Attachment 8 is a proposal to remove two air monitors (N464 and N465) at the 100-B/C Area. Attachment 9 covers the 118-K-1 burial ground in the 100-K Area. Attachment 10 is a map identifying the location of a various staging pile area at the 100-D Area. No issues were identified, and no actions were documented. No issues were identified, and no actions were documented.

Agreement 1: Attachment 4 documents Ecology's approval that approximately 44 linear feet of two 36-inch diameter pipes between a junction box and the 1312-N unit are not part of the 100-N-63 dangerous waste unit. Additionally, the 1312-N unit is not included in the Hanford Site-Wide Permit, and never handled dangerous waste.

Agreement 2: Attachment 5 outlines the proposed changes to the verification sampling approach for tritium in soil. EPA approved the proposed change. Ecology approval is pending based on further review.

Agreement 3: Attachment 8 proposes to remove two air monitors (N464 and N465) at the 100-B/C Area based on discussions with the EPA project manager. EPA approved the proposal and stated they verified this with the EPA project manager for the 100-B/C Area.

Agreement 4: Attachment 10 identifies the proposed waste staging pile area for the 118-D-3 waste site. Ecology approved the location, and stated a map of this be posted at the field office.

DEACTIVATION, DECONTAMINATION, DECOMMISSION, DEMOLITION (D4)/ INTERIM SAFE STORAGE (ISS)

Attachment 11 provides a status or information for the 300 Area, while Attachment 12 provides a status or information for the 100 Area. No issues were identified, no actions were documented, and no agreements were documented.

ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF)

No status was provided.


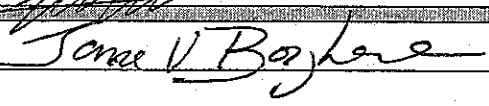
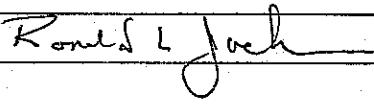
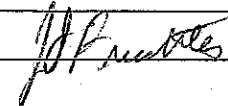
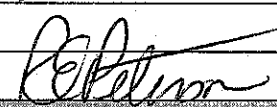
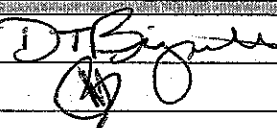
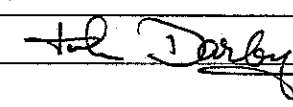
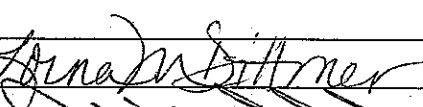
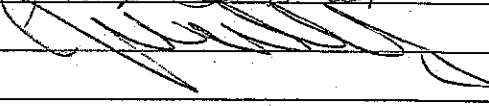
END STATE AND FINAL CLOSURE PROJECT

No status was provided.

SPECIAL TOPICS

No special topics were discussed. No issues were identified, no agreements were documented, and no actions were documented.

Attachment A

Lobos, Rod	LOBOS.ROD@EPA.GOV	B1-46	EPA	
Borghese, Jane V	Jane_V_Borghese@rl.gov	E6-35	FH	
Fabre, Russel J	Russel_J_Fabre@rl.gov	E6-35	FH	
Jackson, Ron	Ronald_L_Jackson@rl.gov	E6-35	FH	
Piippo, Rob	Robert_E_Piippo@rl.gov	H8-12	FH	
Winterhalder, John A	John_A_Winterhalder@rl.gov	E6-35	FH	
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Fruchter, Jonathan S	john.fruchter@pnl.gov	K6-96	PNNL	
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Luttrell, Stuart P		K6-96	PNNL	
Peterson, Robert E	robert.peterson@pnl.gov	K6-75	PNNL	
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Lilligren, Sandra	sandral@nezperce.org		TRIBES	
Bignell, Dale	Dale.Bignell@wch-rcc.com	H4-25	WCH	
Buckmaster, Mark A	mark.buckmaster@wch-rcc.com	X9-07	WCH	
Callison, Stacey W	stacey.callison@wch-rcc.com	X9-07	WCH	
Carlson, Richard A	richard.carlson@wch-rcc.com	X4-08	WCH	
Clapper, Nicholas	Nicholas.clapper@wch-rcc.com	X3-16	WCH	
Clark, Steven W	steven.clark@wch-rcc.com	H4-23	WCH	
Corpuz, Franklin M	franklin.corpuz@wch-rcc.com	L6-06	WCH	
Darby, John W	john.darby@wch-rcc.com	L6-06	WCH	
DeLozier, Mary P (Fran)	fran.delozier@wch-rcc.com	H4-22	WCH	
Dieterle, Steven E	steven.dieterle@wch-rcc.com	L1-04	WCH	
Dietz, Linda A	linda.dietz@wch-rcc.com	H4-22	WCH	
Dittmer, Lorna M	lorna.dittmer@wch-rcc.com	H4-23	WCH	
Donnelly, Jack W	jack.donnelly@wch-rcc.com	H4-22	WCH	
Fancher, Jonathan D (Jon)	jon.fancher@wch-rcc.com	X9-08	WCH	
Gano, Kenneth A (Ken)	kenneth.gano@wch-rcc.com	H4-21	WCH	
Golden, James W	james.golden@wch-rcc.com	X4-08	WCH	
Hadley, Karl A	karl.hadley@wch-rcc.com	X0-18	WCH	
Hedel, Charles W	charles.hedel@wch-rcc.com	H4-22	WCH	
Hulstrom, Larry C	larry.hulstrom@wch-rcc.com	H4-22	WCH	
Koegler, Kim J	kim.koegler@wch-rcc.com	L1-07	WCH	
Landon, Roger J	roger.landon@wch-rcc.com	H4-21	WCH	
LaRue, Deena N	deena.larue@wch-rcc.com	H4-15	WCH	
Lerch, Jeffrey A	jeffrey.lerch@wch-rcc.com	H4-22	WCH	

Attachment B

Donnelly, Jack W

From: Price, John (ECY) [Jpri461@ECY.WA.GOV]
Sent: Monday, June 11, 2007 2:05 PM
To: Charboneau, Stacy L; Donnelly, Jack W; Ayres, Jeffrey M; Bignell, Dale T; Bond, Fredrick W; Borghese, Jane V; Boyd.Alicia@epamail.epa.gov; Brosee, Manfred N; Buckmaster, Mark A; Callison, Stacey W; Carlson, Richard A; Charboneau, Briant L; scimon@oregontrail.net; Clark, Clifford E; Clark, Steven W; Corpuz, Franklin M; Darby, John W; DeLozier, Mary P (Fran); Dieterle, Steven E; Donnelly, Jack W; Dittmer, Lorna M; Dresel, P Evan; einan.dave@epamail.epa.gov; Fabre, Russel J; Fancher, Jonathan D (Jon); faulk.dennis@epamail.epa.gov; Fruchter, Jonathan S; gadbois.larry@epamail.epa.gov; Golden, James W; Goswami, Dib; Guercia, Rudolph F; Hadley, Karl A; Hanson, James P; Hartman, Mary J; Hedel, Charles W; Huckaby, Alisa D; Hulstrom, Larry C; Jackson, Ron; Johnson, Wayne F; Jones, Mandy E; Koegler, Kim J; Landon, Roger J; LaRue, Deena N; Lerch, Jeffrey A; sandral@nezperce.org; lobos.rod@epamail.epa.gov; Ludowise, John D; Miller, Larry R (Rex); Morse, John G; Obenauer, Dale F; Ovink, Roger W; Parnell, Scott E; Peterson, Robert E; Piippo, Rob; Proctor, Megan L; Queen, Jackie M; Robertson, Owen C; Rochette, Elizabeth; Sands, John P; Saueressig, Daniel G; Shepard, Jay (ECY); Smet, Ann K; Smith, Chris; Smith, Chris; Smith-Jackson, Noel; Strom, Dean N; Swartz, Joseph M (Mike); Thompson, Mike; Thomson, Jill E; Tortoso, Arlene C; Vanni, Jean; Vedder, Barry L; Weiss, Stephen G; Westover, Kent R; Winterhalder, John A; Yasek, Donna M; Zeisloft, Jamie
Subject: RE: 100/300 Area Unit Manager Meeting (June 14, 2007)

I will not attend. Mandy Jones is delegated in accordance with TPA Section 4.1. She has the necessary experience and capabilities to fulfill this role.

-----Original Message-----

From: Charboneau, Stacy L [mailto:Stacy_L_Charboneau@RL.gov]
Sent: Monday, June 11, 2007 1:20 PM
To: Donnelly, Jack W; Ayres, Jeff (ECY); Bignell, Dale T; Bond, Rick (ECY); Borghese, Jane V; Boyd.Alicia@epamail.epa.gov; Brosee, Manfred N; Buckmaster, Mark A; Callison, Stacey W; Carlson, Richard A; Charboneau, Briant L; scimon@oregontrail.net; Clark, Clifford E (Cliff); Clark, Steven W; Corpuz, Franklin M; Darby, John W; DeLozier, Mary P (Fran); Dieterle, Steven E; Donnelly, Jack W; Dittmer, Lorna M; Dresel, P Evan; einan.dave@epamail.epa.gov; Fabre, Russel J; Fancher, Jonathan D (Jon); faulk.dennis@epamail.epa.gov; Fruchter, Jonathan S; gadbois.larry@epamail.epa.gov; Golden, James W; Goswami, Dib (ECY); Guercia, Rudolph F (Rudy); Hadley, Karl A; Hanson, James P; Hartman, Mary J; Hedel, Charles W; Huckaby, Alisa (ECY); Hulstrom, Larry C; Jackson, Ronald L; Johnson, Wayne F; Jones, Mandy (ECY); Koegler, Kim J; Landon, Roger J; LaRue, Deena N; Lerch, Jeffrey A; sandral@nezperce.org; lobos.rod@epamail.epa.gov; Ludowise, John D; Miller, Larry R (Rex); Morse, John G; Obenauer, Dale F; Ovink, Roger W; Parnell, Scott E; Peterson, Robert E; Piippo, Robert E; Price, John (ECY); Proctor, Megan L; Queen, Jackie M; Robertson, Owen Jr; Rochette, Beth (ECY); Sands, John P; Saueressig, Daniel G; Shepard, Jay (ECY); Smet, Ann K; Smith, Douglas C (Chris); Smith, Douglas C (Chris); Smith-Jackson, Noel (ECY); Strom, Dean N; Swartz, Joseph M (Mike); Thompson, K M (Mike); Thomson, Jill E; Tortoso, Arlene C; Vanni, Jean (ECY); Vedder, Barry L; Weiss, Stephen G; Westover, Kent R; Winterhalder, John A; Yasek, Donna M; Zeisloft, Jamie
Subject: RE: 100/300 Area Unit Manager Meeting (June 14, 2007)

I will be unable to attend. Rudy Guercia is delegated authority, and will be attending for me.

Stacy

-----Original Message-----

From: Donnelly, Jack W [mailto:jack.donnelly@wch-rcc.com]
Sent: Monday, June 11, 2007 12:58 PM
To: Ayres, Jeff; Bignell, Dale T; Bond, Rick; Borghese, Jane V; Boyd.Alicia@epamail.epa.gov; Brosee, Manfred N; Buckmaster, Mark A; Callison, Stacey W; Carlson, Richard A; Charboneau, Briant L; Charboneau, Stacy L; scimon@oregontrail.net; Clark, Clifford E (Cliff); Clark, Steven W; Corpuz, Franklin M; Darby, John W; DeLozier, Mary P (Fran); Dieterle, Steven E; Donnelly, Jack W; Dittmer, Lorna M; Dresel, P Evan; einan.dave@epamail.epa.gov; Fabre, Russel J; Fancher, Jonathan D (Jon);

faulk.dennis@epamail.epa.gov; Fruchter, Jonathan S; gadbois.larry@epamail.epa.gov; Golden, James W; Goswami, Dibakar; Guercia, Rudolph F (Rudy); Hadley, Karl A; Hanson, James P; Hartman, Mary J; Hedel, Charles W; Huckaby, Alisa D; Hulstrom, Larry C; Jackson, Ronald L; Johnson, Wayne F; Jones, Mandy E; Koegler, Kim J; Landon, Roger J; LaRue, Deena N; Lerch, Jeffrey A; sandral@nezperce.org; lobos.rod@epamail.epa.gov; Ludowise, John D; Miller, Larry R (Rex); Morse, John G; Obenauer, Dale F; Ovink, Roger W; Parnell, Scott E; Peterson, Robert E; Piippo, Robert E; Price, John (ECY); Proctor, Megan L; Queen, Jackie M; Robertson, Owen Jr; Rochette, Beth; Sands, John P; Saueressig, Daniel G; jshe461@ECY.WA.GOV; Smet, Ann K; Smith, Douglas C (Chris); Smith, Douglas C (Chris); Smith-Jackson, Noel; Strom, Dean N; Swartz, Joseph M (Mike); Thompson, K M (Mike); Thomson, Jill E; Tortoso, Arlene C; Vanni, Jeanne; Vedder, Barry L; Weiss, Stephen G; Westover, Kent R; Winterhalder, John A; Yasek, Donna M; Zeisloft, Jamie
Subject: 100/300 Area Unit Manager Meeting (June 14, 2007)

Good afternoon:

Attached is the draft agenda for the Unit Manager Meeting scheduled for Thursday, June 14, 2007 from 1:00 p.m. to 4:30 p.m. at 2620 Fermi Avenue (Washington Closure Hanford LLC Building) in Room C209. Please let me know if there are more items to add to the agenda, whether to delete an item, and if there is going to be an executive session. The executive session, if held, is proposed to be only a half hour from 1:00 p.m. to 1:30 p.m.

Also attached is the action item lists (complete list and only open action items). For those having action items please be prepared to provide a status before the meeting if possible to help expedite the action item portion of the meeting. The open action items will be provided in a handout for Thursday's meeting.

For those who need to delegate authority and are unable to attend, please send your delegation for the minutes. Additionally, for those providing handouts and summaries please bring extra copies.

NOTE: EPA requested an update/status on the 5-year ROD review actions.....I believe Cliff Clark is the Point of Contact for this item, but in case I am mistaken, please let me know who that person is.

Respectfully, Jack Donnelly
372-2699

Donnelly, Jack W

From: Charboneau, Stacy L [Stacy_L_Charboneau@RL.gov]
Sent: Monday, June 11, 2007 1:20 PM
To: Donnelly, Jack W; Ayres, Jeffrey M; Bignell, Dale T; Bond, Fredrick W; Borghese, Jane V; Boyd.Alicia@epamail.epa.gov; Brosee, Manfred N; Buckmaster, Mark A; Callison, Stacey W; Carlson, Richard A; Charboneau, Briant L; scimon@oregontrail.net; Clark, Clifford E; Clark, Steven W; Corpuz, Franklin M; Darby, John W; DeLozier, Mary P (Fran); Dieterle, Steven E; Donnelly, Jack W; Dittmer, Lorna M; Dresel, P Evan; einan.dave@epamail.epa.gov; Fabre, Russel J; Fancher, Jonathan D (Jon); faulk.dennis@epamail.epa.gov; Fruchter, Jonathan S; gadbois.larry@epamail.epa.gov; Golden, James W; Goswami, Dib; Guercia, Rudolph F; Hadley, Karl A; Hanson, James P; Hartman, Mary J; Hedel, Charles W; Huckaby, Alisa D; Hulstrom, Larry C; Jackson, Ron; Johnson, Wayne F; Jones, Mandy E; Koegler, Kim J; Landon, Roger J; LaRue, Deena N; Lerch, Jeffrey A; sandral@nezperce.org; lobos.rod@epamail.epa.gov; Ludowise, John D; Miller, Larry R (Rex); Morse, John G; Obenauer, Dale F; Ovink, Roger W; Parnell, Scott E; Peterson, Robert E; Piippo, Rob; Price, John; Proctor, Megan L; Queen, Jackie M; Robertson, Owen C; Rochette, Elizabeth; Sands, John P; Saueressig, Daniel G; jshe461@ecy.wa.gov; Smet, Ann K; Smith, Chris; Smith, Chris; Smith-Jackson, Noel; Strom, Dean N; Swartz, Joseph M (Mike); Thompson, Mike; Thomson, Jill E; Tortoso, Arlene C; Vanni, Jean; Vedder, Barry L; Weiss, Stephen G; Westover, Kent R; Winterhalder, John A; Yasek, Donna M; Zeisloft, Jamie
Subject: RE: 100/300 Area Unit Manager Meeting (June 14, 2007)

I will be unable to attend. Rudy Guercia is delegated authority, and will be attending for me.

Stacy

-----Original Message-----

From: Donnelly, Jack W [mailto:jack.donnelly@wch-rcc.com]
Sent: Monday, June 11, 2007 12:58 PM
To: Ayres, Jeff; Bignell, Dale T; Bond, Rick; Borghese, Jane V; Boyd.Alicia@epamail.epa.gov; Brosee, Manfred N; Buckmaster, Mark A; Callison, Stacey W; Carlson, Richard A; Charboneau, Briant L; Charboneau, Stacy L; scimon@oregontrail.net; Clark, Clifford E (Cliff); Clark, Steven W; Corpuz, Franklin M; Darby, John W; DeLozier, Mary P (Fran); Dieterle, Steven E; Donnelly, Jack W; Dittmer, Lorna M; Dresel, P Evan; einan.dave@epamail.epa.gov; Fabre, Russel J; Fancher, Jonathan D (Jon); faulk.dennis@epamail.epa.gov; Fruchter, Jonathan S; gadbois.larry@epamail.epa.gov; Golden, James W; Goswami, Dibakar; Guercia, Rudolph F (Rudy); Hadley, Karl A; Hanson, James P; Hartman, Mary J; Hedel, Charles W; Huckaby, Alisa D; Hulstrom, Larry C; Jackson, Ronald L; Johnson, Wayne F; Jones, Mandy E; Koegler, Kim J; Landon, Roger J; LaRue, Deena N; Lerch, Jeffrey A; sandral@nezperce.org; lobos.rod@epamail.epa.gov; Ludowise, John D; Miller, Larry R (Rex); Morse, John G; Obenauer, Dale F; Ovink, Roger W; Parnell, Scott E; Peterson, Robert E; Piippo, Robert E; Price, John (ECY); Proctor, Megan L; Queen, Jackie M; Robertson, Owen Jr; Rochette, Beth; Sands, John P; Saueressig, Daniel G; jshe461@ECY.WA.GOV; Smet, Ann K; Smith, Douglas C (Chris); Smith, Douglas C (Chris); Smith-Jackson, Noel; Strom, Dean N; Swartz, Joseph M (Mike); Thompson, K M (Mike); Thomson, Jill E; Tortoso, Arlene C; Vanni, Jeanne; Vedder, Barry L; Weiss, Stephen G; Westover, Kent R; Winterhalder, John A; Yasek, Donna M; Zeisloft, Jamie
Subject: 100/300 Area Unit Manager Meeting (June 14, 2007)

Good afternoon:

Attached is the draft agenda for the Unit Manager Meeting scheduled for Thursday, June 14, 2007 from 1:00 p.m. to 4:30 p.m. at 2620 Fermi Avenue (Washington Closure Hanford LLC Building) in Room C209. Please let me know if there are more items to add to the agenda, whether to delete an item, and if there is going to be an executive session. The executive session, if held, is proposed to be only a half hour from 1:00 p.m. to 1:30 p.m.

Also attached is the action item lists (complete list and only open action items). For those having action items please be prepared to provide a status before the meeting if possible to help expedite the action item portion of the meeting. The open action items will be provided in a handout for Thursday's meeting.

For those who need to delegate authority and are unable to attend, please send your delegation for the minutes. Additionally, for those providing handouts and summaries please bring extra copies.

NOTE: EPA requested an update/status on the 5-year ROD review actions.....I believe Cliff Clark is the Point of Contact for this item, but in case I am mistaken, please let me know who that person is.

Respectfully, Jack Donnelly
372-2699

Attachment C

100/300 Area UMM

Action List

June 14, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-003	RL	K. Bazzell	Field Remediation Closure	EPA and Ecology request DOE prepare a schedule for cleanup of the 200-CW-3 waste sites listed in the 100 Area Remaining Site Record of Decision.	Open: 7/13/06; Action: Closed 12/14/2006.
X	100-004	WC	L. Dittmer	Sample Design and Cleanup Verification	Present an errata sheet to provide consistent tritium cleanup levels between the 100 Area Burial Ground SAP and the 100 Area SAP.	Open: 7/31/06; Action: Closed 11/9/2006.
X	100-005	RL	K. Bazzell	General RCCC	EPA and Ecology request a meeting with the DOE person who can approve/disapprove language in the 100 Area Remedial Design Report. (Action associated with a proposed revision to the RDR to include descriptive language on ecorisk screening.)	Open: 7/13/06; Action: Closed 11/9/2006.
O	100-005B	EPA	J. Zeisloft	General RCCC	Revise the 100 Area RDR to include more specific language on the methodology and process for conducting ecological risk screening during closeout process.	Open: 9/14/06; Action: Proposed language was provided, and is still under review. Further discussions are expected, but agreement may be close.
X	100-006	RL	J. Zeisloft	100-K Field Remediation	RL to provide EPA and Ecology a copy of the NorthWind Characterization Report for 118-K-1.	Open: 7/13/06; Action: Completed 10/26/06
X	100-007	RL	J. Zeisloft	100-K Field Remediation	RL provide EPA and Ecology the status of the AMEC Report on 118-K-1.	Open: 7/13/06; Closed: 8/10/06 Action did not occur

100/300 Area UMM

Action List

June 14, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-008	RL	K. Bazzell	Field Remediation	Provide WCH direction to evaluate other, existing, options for handling bottles containing liquids that are unearthed during remedial actions. Evaluate what is being done at other sites (Brookhaven; Sandia; DOE Lessons Learned website); evaluate how HAZM	Open: 9/14/06; Action: Completed 10/2/06
X	100-009	RL	R. Guercia	100-K D4	Send a copy of a building completion report (a quarterly report prepared to satisfy the DOE Order to take a facility "off the books.") as an alternate format of retrievable documentation.	Open: 9/14/06; Action: Complete 9/15/06
X	300-002	PN	B. Peterson M. Hartman	300-FF-5 Groundwater	Invite Jacqui Shea (Ecology), Alica Huckaby (Ecology), Alicia Boyd (EPA) to the September 300 Area aquifer tube sampling event.	Open: 7/13/06; Action: Completed 9/5/06
X	100-110	ECY	J. Price	100-H	John Price (Ecology) will send Kent Westover (RL) an email after looking at the information on the 116-H-4 table provided at the 10/12/06 UMM.	Open: 10/12/06; Action: Completed 10/13/06
X	100-111	RL	K. Westover	RCC General	RL shall propose a process for resolving sampling approaches where Ecology and RL differ, and multiple attempts at a technical level are exchanged without resolution.	Open: 10/12/06; Action: Ecology and RL agreed to close item; action closed 2/8/07.
X	100-112	RL	B. Charboneau	100-HR-3	RL will respond to Ecology's email request on the data and analysis request regarding the 100-HR-3 system.	Open: 10/12/06; Action: Data was provided, & Ecology is reviewing. On 4/12/07 this action was closed and a new action item generated (see action item 100-133).

100/300 Area UMM

Action List

June 14, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-113	ECY	J. Price	100-HR-3	John Price will respond to RL's request to submit an annual report for the ISRM system versus a quarterly report. However, monthly data will still be sent to Ecology.	Open: 10/12/06; Action: Ecology approval documented in minutes. Completed 11/9/2006.
X	100-114	RL	B. Charboneau	Unknown	RL will send Ecology the schedule for the EM-22 Treatability Test Report	Open: 10/12/06; Action: Schedule entered into minutes. Completed 11/9/2006.
X	100-115	RL	B. Charboneau	100-D	RL will send Ecology the plans/actions for the 182-D Reservoir.	Open: 10/12/06; actions documented in minutes. Completed 11/9/2006.
X	100-116	RL	J. Zeisloft	100-D	RL and Ecology shall talk about the liquid removal from the 100-D-56 pipe.	Open: 10/12/06; Action: Completed 11/9/2006
X	100-117	ECY	J. Price	100-N	Ecology shall review the revegetation proposal for the 116-N-1 site and provide feedback.	Open: 10/12/06; Action: Proposal approved in minutes. Completed 11/9/2006.
X	100-118	ECY	J. Price	100-D	Ecology shall review the 100-D-56 chromium treatment plan	Open: 10/12/06; Action: Ecology submitted comments. Completed 11/9/2006.

100/300 Area UMM

Action List

June 14, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	300-003	RL	C. Smith	300-FF-2	RL shall provide EPA with the contamination control measures to move the MO-905 trailer within the onsite area.	Open: 10/12/06; Action: Completed 10/18/2006
X	100-119	RL	J. Morse	100-HR-3	RL (John Morse) will set up a meeting with Ecology (John Price) on overall long-term picture for 100-HR-3.	Open: 11/9/06; Action: RL is scheduling a meeting in March 2007. On 4/12/07 this action was closed and a new action item generated (see action item 100-133).
X	100-120	RL	J. Morse	100-HR-3	RL (John Morse) will provide Ecology (Mandy Jones) with the 100-D well installation schedule, as well as the EM-22 Treatability Test well installation plans.	Open: 11/9/06; Action: RL to set up meeting in March 2007 to provide the schedule. On 4/12/07 this item was closed.
X	100-121	RL	J. Morse	100-FR-3	RL (John Morse) will provide EPA (Rod Lobos) with the Contaminates of Concern (COCs) plot for each well in 100-FR-3, including a list of wells sampled in October 2006 and those scheduled to be sampled in November 2006.	Open: 11/9/06; Action: Closed 12/14/2006
X	100-122	RL	J. Zeisloft	100-D	RL (Jamie Zeisloft) will set up a meeting with Ecology on the holistic 100-D characterization approach.	Open: 11/9/06; Action: Meeting was held; action closed 2/8/07.
X	100-123	RL	J. Zeisloft	100-D	RL (Jamie Zeisloft) will provide Ecology (Mandy Jones) with the overall 100-D project remediation schedule.	Open: 11/9/06; Action: Closed 12/14/2006

100/300 Area UMM

Action List

June 14, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	300-004	RL	C. Smith	618-10/11	RL (Chris Smith) will set up a meeting with EPA to discuss the M-16-67 milestone for 618-10/11 to ensure there are no issues with the design solution and completing the milestone.	Open: 11/9/06; Action: Closed 12/14/2006
O	100-124	RL	K. Westover	General RCC	RL to evaluate whether it endorses use of analogous sites for site closeout (proposed by WCH), and communicate its opinion to Ecology and EPA. As a first step, RL will set up a meeting to focus on a current example of a waste site being proposed for closeout using this approach.	Open:12/14/06; Action: Remains Open
X	100-125	RL	K. Bazzell	General RCC	RL to meet with EPA and Ecology on what systems or processes are in place to track remedial action costs for waste site closeout. Remedial Action Closeout Reports will capture this information but EPA and Ecology want to hear an update since the development of the 300-FF-1 Remedial Action Report (DOE/RL-2004-74, Rev. 0).	Open:12/14/06; Action: A summary was provided at the May 2007 UMM; closed 5/10/07.
X	100-126	RL	J.Morse	General RCC	RL (John Morse) will provide EPA with "DAVE" access.	Open:12/14/06; Action: Closed 1/11/07
X	100-127	RL	C. Smith	100-B/C	RL (Chris Smith) will provide EPA with the spent nuclear fuel disposition schedule for 100-B/C.	Open:12/14/06; Action: Closed 1/11/07
X	300-005	RL	R. Guercia	300 Area D4	RL shall provide EPA with status on the 324/327 building demolition strategy.	Open:12/14/06; Action: Closed 1/11/07

100/300 Area UMM

Action List

June 14, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	300-006	RL	R. Guercia	300 Area D4	The Tri-Parties will develop a process for closing out D4 actions where no known waste site is under the building, and no releases to soil are documented or expected based on existing data.	Open: 1/11/07; Action: RL will set up a meeting with EPA and Ecology to discuss. On 4/12/07 this item was closed.
O	100-128	RL	K. Westover	100-N	RL (Kent Westover) will follow up with Ecology (John Price) on the D4 work on structures and the removal of small section of inlet piping to 1301-N.	Open: 1/11/07; Action: At the 5/10/07, RL committed to schedule a meeting with Ecology.
X	100-129	RL	J. Morse	100-K	RL (John Morse) will provide EPA with a copy of "The KW Pump and Treat System Remedial Design and Remedial Action Work Plan, Supplement to the 100-KR-4 Groundwater Operable Unit Interim Action," DOE/RL-2006-52, Rev. 1.	Open: 1/11/07; Action: Closed 1/11/07
O	100-130	RL	J. Zeisloft	100 Areas	EPA and Ecology to discuss footnote in Cleanup Verification Packages/Remaining Site Cleanup Verification Packages (CVP/RSVPs) for immobile contaminates as related to the footnote stated in the Remedial Design Report/Remedial Action Work Plan for immobile contaminates.	Open: 1/11/07; Action: RL stated on 5/10/07 that this item remains open, and additional discussions are necessary.
X	100-131	RL	C. Smith	100 Areas	Ecology requests RL for an updated schedule on remediation designs and sampling work instructions through June 2009.	Open: 1/11/07; Action: Information provided; action closed 2/8/07.

100/300 Area UMM

Action List

June 14, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
O	100-132	RL	C. Smith	100 Areas	RL will develop proposed changes to the verification sampling approach for tritium in soil.	Open: 2/8/07; Action: At the 5/10/07 UMM, a sampling proposal was presented for review and discussion. EPA requested RL to provide a basis for sampling 1 foot below the surface. At the 6/14/07 meeting a revised proposal was presented. EPA approved the approach and Ecology approval is pending based on further review.
X	300-007	RL	C. Smith	300 Area	EPA requested a meeting on 618-7 to be scheduled, and to include the Washington State Department of Health.	Open: 2/8/07; Action: Meeting was held and this item was closed on 4/12/07.
X	100-133	RL	J. Hanson	100-HR-3	RL and Fluor Hanford will schedule a meeting with Ecology to decipher data trends, and future plans for the chromium plume at the 100-H reactor.	Open: 4/12/07; Action: At the 5/19/07 UMM, RL stated a meeting has been scheduled for May 22. Meeting occurred; this item closed on 6/7/07.

100/300 Area UMM
Action List
June 14, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
O	300-008	RL	R. Guercia	100/300 Area	RL shall develop the instructions for documenting D4 completions in the 100 and 300 Areas where no known waste site is under the building, and no releases to soil are documented or expected based on existing data. These instructions shall be added into the respective Removal Action Work Plans after review and approval from the respective lead regulatory agency for the specific Removal Action Work Plans in the 100 and 300 Areas.	Open: 4/12/07; Action: Ongoing action.
O	300-009	RL	J. Sands	300 Area	RL will follow up with EPA on any past or future land evaluations of the southern 300 Area referred to as the "triangle area" where new construction is starting.	Open: 4/12/07; Action: Ongoing action.
O	100-134	RL	J. Zeisloft	100-D Area	RL will respond to Ecology's electronic mail message sent on April 19, 2007 regarding the 126 D-1 Ash Pit.	Open: 5/10/07; Action: A meeting with Ecology is scheduled for the week of 6/18 to update Ecology.
O	100-135	RL	C. Smith	100 Areas	RL will provide a draft of the 100 Area Explanation of Significant Difference (ESD), which adds waste sites, to EPA and Ecology for review.	Open: 6/14/07; Action:
O	100-136	RL	C. Smith	100 Areas	RL will provide EPA and Ecology with the schedule for the next revision of the 100 Area Remedial Design Report/Remedial Action Work Plan.	Open: 6/14/07; Action:

Attachment D

100/300 Area Unit Manager Meeting
June 14, 2007
Washington Closure Hanford Building
2620 Fermi Avenue, Richland, WA 99352
Room C209
1:00-4:30 p.m.

1:00 - 1:30 p.m.

Executive Session (Tri-Parties Only):

- o 100 Area ESD to add waste sites

1:35 p.m. - 2:00 p.m.

Administrative:

- o Approval and signing of previous meeting minutes (May 2007)
- o Update to Action Items List
- o Next UMM (07/12/2007, Room C209)

2:00 - 4:30 p.m.

Open Session: Project Updates:

- o 100/300 Area Groundwater (John Morse/Jane Borghese)
- o Groundwater/Source Integration
 - o Update on Record of Decision Groupings (Larry Gadbois)
 - o 5-year Record of Decision Review Status (Cliff Clark/Alicia Boyd)
- o 100/300 Area Field Remediation and Closure (FR)
 - o Sampling and FR Design (Chris Smith/Lorna Dittmer/Rich Carlson)
 - o 100-N (Kent Westover/Scott Parnell)
 - o 100-H (Kent Westover/Mark Buckmaster)
 - o 100-F (Chris Smith/Jon Fancher)
 - o 300-FF-2 (Chris Smith/John Darby)
 - o 618-10/11 (Chris Smith/Scott Parnell)
 - o 100-B/C (Chris Smith/Dean Strom)
 - Air Monitoring Changes
 - o 118-K-1 (Jamie Zeisloft/Dale Obenauer)
 - o 100-D (Jamie Zeisloft/Mark Buckmaster)
- o D4/ISS
 - o 300 Area D4 (Rudy Guercia/Donna Yasek)
 - o 100 Area D4 (Kent Westover/Dan Saueressig)
 - o ISS (Chris Smith/Dan Saueressig)
- o End State and Final Closure (John Sands/Jeff Lerch/Jill Thomson)
- o Special Topics

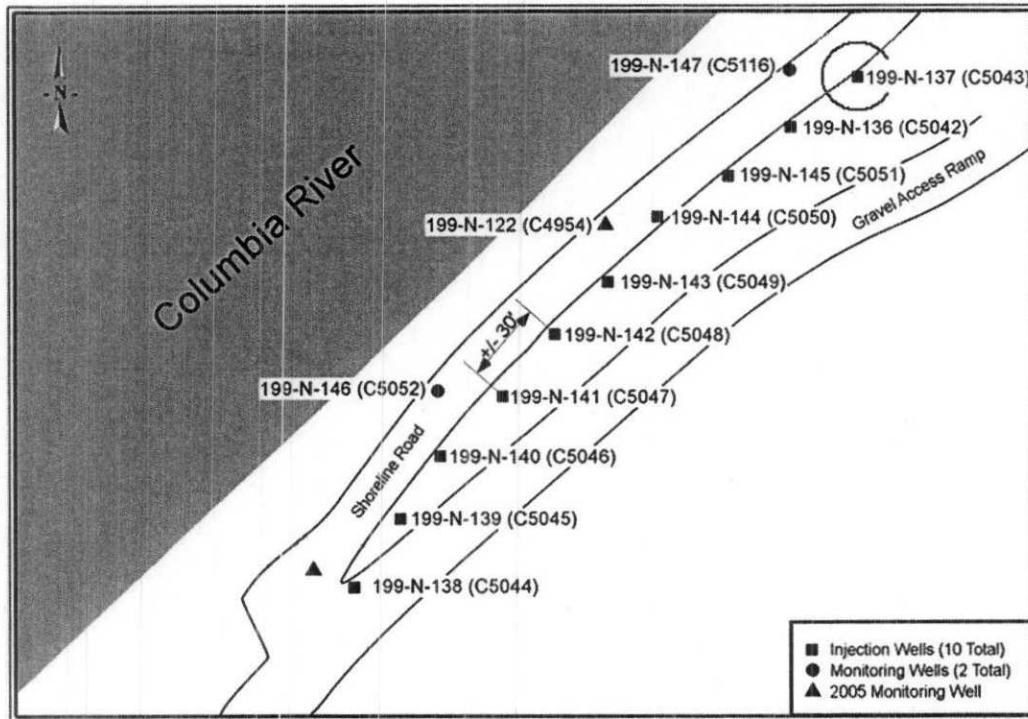
Attachment 1

(1)

**100/300 Areas Unit Managers Meeting,
June 14, 2007**

100-NR-2 Groundwater OU - Russ Fabre

Apatite Barrier Injections



Ringold Formation Apatite Injections

- Completed March 2007

Hanford Formation Apatite Injections

- Hanford Formation wells previously treated (Top of Hanford 120.42 m above sea level)
 - 199-N-141 (119.35m/165,142 cfs)
 - 199-N-139 (119.35m/165,142 cfs)
 - 199-N-143 (119.49m/173,142 cfs)
 - 199-N-137 (119.49m/173,142 cfs)
- Wells N-144/N-136/N-142 injections were completed on June 6th. Each received 60,000 gallons of a 40:1 dilute Ca/Citrate, phosphate mix at 40 gallons per minute.
- Well N-138 injection was completed June 10th. This well received 100,000 gallons of a 40:1 dilute Ca/Citrate, phosphate mix at 40 gallons per minute.
- River levels remained high during the injection phase (180,000+ cfs).
- River stage dependent, the next wells (N-140 and N-145) will be injected beginning July 10th.

100-KR-4 Groundwater OU - Ron Jackson

- Remediation Treatment Status
 - For the period of April 30-May 31, 2007:
 - System operated normally.
 - Total average flow through the system was approximately 292 gpm.
 - Average influent hexavalent chromium concentration was 0.031 mg/L.

**100/300 Areas Unit Managers Meeting,
June 14, 2007**

- **KR-4 Expansion**
 - RL is preparing a briefing package to obtain early approval by the Agencies on the location of the new wells (18) to support the K expansion in the 100-KR-4 OU.
 - Per discussions with EPA on May 22, 2007, RL is preparing supplement to the remedial design report/remedial action work plan for the expansion of 100-K Area treatment system.
- **KW Groundwater Remediation**
 - For the period of April 30-May 31, 2007:
 - System operated normally.
 - Total average flow through the system was approximately 77 gpm. The lower flow was attributed to down time associated with extraction wells K-132 and K-138 as a result of fiber optic communication problems. The problem was fixed on June 5, 2007.
 - Average influent hexavalent chromium concentration was 0.123 mg/L.

100-K Area Drilling Status—Ron Jackson (FH)

- Four extraction and/or injections wells were drilled for the KW pump and treat system. These wells were accepted in September 2006.
- Drilled a replacement injection well for the KW system in January 2007.
- Installed two monitoring wells near the KE Basin which were accepted in January 2007.
- Drilled one monitoring well upgradient of K-126 which was accepted in January 2007.
- The drilling of eighteen wells to support the K expansion is planned to start in late FY 2007.

100-KR-4: K-Basins Monitoring Task—Bob Peterson (PNNL)

- **Leak Detection Monitoring**
 - No new analytical results for tritium have become available since the last unit managers' meeting (May 2007). The most recent sampling of wells near the 100-K reactors occurred during late April 2007, so results should become available by mid-June, assuming a 45-day turnaround.
 - Monthly monitoring continues at three wells close to the KE Basin while remedial action continues (199-K-27, 199-K-29, and 199-K-109A). The monthly sampling scheduled for May was replaced by the routine quarterly sampling at the three wells, which occurred late in April.
 - Sludge removal from KE Basin has apparently been completed. The next activity at the Basin will be hydrolasing (high-pressure water cleaning) of the walls and floors to remove surface contamination. Material removed will be vacuumed up at the hydrolasing tool's head. Monthly monitoring will be continued while this activity is underway.
- **Monitoring Well Network**
 - [No change since May 2007] New monitoring wells 199-K-141 and 199-K-142, which were installed between the KE reactor and the Columbia River, were sampled for the first time in late April.
- **Reporting**
 - [No change since May 2007] Most recent quarterly K-Basins report: January, February, and March 2007 (PNNL-16556). Report was distributed as a .pdf file on April 30.

100-HR-3 Groundwater OU - Ron Jackson

- **Remediation Treatment Status**
 - For the period April 30-May 31, 2007:
 - The system operated normally.

**100/300 Areas Unit Managers Meeting,
June 14, 2007**

- Total average flow through the system was approximately 181 gpm. Extraction well H4-3 was down from May 24-June 1 due to a clogged filter. D transfer was down for maintenance on May 28.
- Average influent hexavalent chromium concentration for H Area was approximately less than 0.011 mg/L.
- Average influent hexavalent chromium concentration for D Area was approximately 0.083 mg/L.
- DR-5 Treatment Status
 - For the period April 30-May 31, 2007:
 - System was down from May 18-20, 2007 due to coolant failure on the air compressor. Total average flow was approximately 38 gpm.
 - The average influent hexavalent chromium concentration was approximately 0.722 mg/L.
 - "Horn" Investigation
 - Received Ecology's comments (May 22) on the SAI. A meeting with RL/Ecology is planned during the week of June 18, 2007 to disposition their comments.
 - Cultural resources evaluation has been initiated.
- Summary of ISRM Status
 - Chromium concentrations in groundwater sampled from select ISRM injection wells slightly lower than last May.
 - Incorporating RL comments into the ISRM annual report. The report will be issued in June 2007. No change.
- EM-22 Technology Developments
 - Injecting micron-size iron into selected ISRM boreholes: MSE-Technology Applications has determined that the micron-size zero-valent iron selected for injection is not reactive enough to reliably reduce groundwater flowing through the ISRM barrier. The laboratory tests will be expanded to evaluate other iron compounds. The field test, originally scheduled for July, 2007, will be postponed.
 - Completed system check out/startup and bench testing for the EC system. Initiated continuous run verification (day shift operations only) on May 22. The EC system is planned to operate on a 24 hour basis by the end of June. Preliminary results show that hexavalent chromium levels are consistently being reduced from approximately 0.280 mg/L to less than .010 mg/L at treatment flow rates ranging from 40 to 50 gpm. Ecology was notified on May 21 of a short term exceedance in hexavalent chromium levels (approximately 0.080 mg/L at less than one hour) during verification testing.
 - The seven chromium source investigation is being sampled for hexavalent chromium every other week. Four new wells are being planned to further refine the chromium source in this area.
 - EM-20 has indicated that they will support a chromium source investigation for the northwest 100-D plume.
 - Well drilling is proceeding at the biostimulation test site in 100-D.

300-FF-5 Operable Unit—Bob Peterson and Ron Smith (PNNL)

- Operations and Maintenance Plan Activities
 - 300 Area Sampling and Analysis: The most recent results available are for samples collected in April for a subset of 300 Area wells that are on a quarterly or quasi-monthly (RCRA) schedule frequency. Results for key contamination indicators (e.g., uranium) are on trend and within expected concentration ranges.

**100/300 Areas Unit Managers Meeting,
June 14, 2007**

- Semi-Annual June Sampling Event: Sampling at the 300 Area started the week of June 4. The seasonal high river conditions began approximately one month earlier than in 2006. During 2006, the water table was elevated above long-term average for a period longer than usual, resulting in more remobilization of uranium held in the lower vadose zone. Expectations are for a similar situation during summer 2007.
- RCRA Integration, 300 Area Process Trenches: Quasi-monthly sampling occurs at four locations (3 downgradient; 1 upgradient—shallow and deep at each location). The RCRA schedule calls for co-sampling with CERCLA in December, followed by three additional monthly samples; this is repeated for the June CERCLA event.
- 618-10 and 618-11 Subregions: The most recent results are for samples collected in January 2007 at each of these 300-FF-5 subregions. Results are on trend and within expected ranges. (Note: Tritium at 699-13-3A near the 618-11 Burial Ground continues a gradual decline, and is currently at ~940,000 pCi/L).
- Phase III Feasibility Study
 - Feasibility Study: Continued work assembling remedial action alternatives for the uranium plume. Investigated characterization requirements for expanding the current feasibility study to include additional contaminants of potential concern.
 - Conceptual Site Model Report: Scoping statement and annotated outline for an updated description of the conceptual site model for uranium in the 300 Area has been completed and circulated for review. Preparation of this report is intended to support an August 2007 public workshop on the 300 Area, with final publication following in September.
 - Groundwater Flow Model: The 3-D flow model developed for the 300 Area uranium plume has been refined. Significant improvements over previous versions include (1) updates to the hydrostratigraphy made possible by limited field investigation results, and (2) revised grid and boundary conditions that more accurately represent the modeled domain. These improvements provide improved spatial resolution in the areas of greatest interest regarding uranium sources (e.g., former 300 APT and Process Ponds footprints).
 - Limited Field Investigation: The report describing the results of the LFI drilling program was provided to EPA for review on May 24, 2007.
 - Risk Assessment: Review by EPA of a report describing an update to the 300-FF-5 qualitative risk assessment continues. A list of wells from which groundwater data were used in the assessment was provided to the State of Oregon, per a request at the last 300-FF-5 status meeting.
- Other Activities
 - VOC Investigation: The first of four characterization boreholes was drilled in April (399-3-21). VOC results for water samples collected during drilling were similar to those obtained from earlier LFI drilling, i.e., relatively high levels of trichloroethene were detected in a sandy unit within Ringold Unit E. The highest concentration encountered was 765 ug/L. An addendum to the sampling and analysis instruction for this investigation (SWG-32607) was prepared to support drilling of the next three boreholes, expected to begin in July 2007.
 - Treatability Testing (EM-22): Six new wells were installed in May as part of the treatability test using polyphosphate for immobilizing uranium. Injection of polyphosphate began during the evening of June 11, 2007.

**100/300 Areas Unit Managers Meeting,
June 14, 2007**

100-BC-5 Operable Units—Mary Hartman

- All FY 2007 sampling outlined in the groundwater SAP is complete. When new wells are installed at 100-C-7, we will add them to the sampling schedule (hexavalent chromium, alpha/beta, tritium, and general chemistry).

100-FR-3 Operable Unit—Mary Hartman

- All FY 2007 sampling is complete. No activities to report.

Attachment 2

Table ES.1. CERCLA Five-Year Review Issues and Actions

Issues and Actions		Affects Current Protectiveness ¹	May Affect Future Protectiveness ²	Responsible Organization within DOE	TPA Lead Regulator	Action Due Date
		(Yes / No)	(Yes / No)			
100/300 Crosscutting						
Issue 1. Additional risk assessment information is needed to evaluate the interim actions prescribed within the records of decisions and to develop final cleanup decisions.		No ³	Yes			
	Action 1-1. Submit Draft A of the River Corridor Baseline Risk Assessment Report.	No ³	Yes	RCP	EPA/WDOE	06/2007
	Action 1-2. Submit draft sampling and analysis plan for Inter-Areas Shoreline Assessment.	No ³	Yes	RCP	EPA/WDOE	08/2006
	<i>New Action 1-3. Reassess and resubmit to EPA the protectiveness determinations for operable units 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-FR-1, 100-FR-2, 100-HR-1, 100-HR-2, 100-HR-3, 100-IU-2, 100-IU-6, 100-KR-1, 100-KR-2, 100-KR-4, 100-NR-1, 300-FF-1, and 300-FF-2 using new information from the River Corridor Baseline Risk Assessment and submit to EPA an Addendum with, as appropriate, updated Protectiveness Determinations, Issues, and Follow-up Actions.</i>					02/2008
Issue 2. A strategy to obtain the final records of decisions and integrate the waste sites, deep vadose zone and groundwater has not been developed and agreed upon with the regulator agencies.		No ³	No			
	Action 2-1. Submit Draft A of the River Corridor Strategy for Achieving Final Cleanup Decision in the River Corridor. Document will identify issues for integration and provide alternatives for future discussions between the Tri-Parties on milestones for final records of decision in the River Corridor.	No ³	No	RCP	EPA/WDOE	11/2006
	<i>New Action 2-2. Reach agreement between the Tri-Party Agencies on a strategy and schedule to obtain final records of decisions in the River Corridor.</i>					11/2007
	<i>New Action 2-3. Submit a TPA change package with new milestones for submitting RI/FS work plans and proposed plans for all operable units in the river corridor. New milestones shall require submission of RI/FS work plans and proposed plans for final actions at all of the following operable units that do not already have these documents approved: 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-FR-1, 100-FR-2, 100-HR-1, 100-HR-2, 100-HR-3, 100-IU-2, 100-IU-6, 100-KR-1, 100-KR-2, 100-KR-4, 100-NR-1, 300-FF-1, and 300-FF-2.</i>					02/2008
100-B/C Area						
No issues or actions specific to the 100-B/C Area were identified.						

Table ES.1. CERCLA Five-Year Review Issues and Actions

Issues and Actions		Affects Current Protectiveness ¹	May Affect Future Protectiveness ²	Responsible Organization within DOE	TPA Lead Regulator	Action Due Date
		(Yes / No)	(Yes / No)			
100-K Area						
Issue 3. The southeastern (inland) extent of the chromium groundwater plume from the 116-K-2 trench, northeast of the current injection wells, has not been delineated.		No ³	Yes			
	Action 3-1. Install three additional wells to further delineate the southeastern (inland) extent of the chromium groundwater plume from the 116-K-2 trench, northeast of the current injection wells. Wells installed as part of the pump-and-treat system expansion or injection well relocation may count towards this effort if appropriately located.	No ³	Yes	GRP	EPA	08/2008
Issue 4. The small chromium plume at KW Reactor site has reached the river, as evidenced by near-shore aquifer tubes. There is currently no active remediation system in place for the small chromium plume at the KE-KW Reactor site. Therefore, construction of a new pump-and-treat system has been initiated in response to this condition.		Yes	Yes			
	Action 4-1. Construct a new pump-and-treat facility to the address the chromium groundwater plume in the KW Reactor area.	Yes	Yes	GRP	EPA	08/2008
Issue 5. Groundwater monitoring indicates that the expansion of the 100-K Area pump-and-treat extraction system has not yet achieved the remedial action objective.		Yes	Yes			
	Action 5-1. Expand the 100-K Area pump-and-treat system by 378.5 liters (100 gallons) per minute to enhance remediation of the chromium plume between the 116-K-2 and the N Reactor perimeter fence.	Yes	Yes	GRP	EPA	08/2008
	Action 5-2. Add additional wells between the 166-K-2 trench and the N Reactor perimeter fence for groundwater extraction, and connect the additional wells to the pump-and-treat system.	Yes	Yes	GRP	EPA	03/2007
100-N Area						
Issue 6. The pump-and-treat system is ineffective and inefficient in reducing the flux of strontium-90 to the Columbia River, providing only a fraction (1:10) of the protection provided by natural radioactive decay. The degree of protection provided by hydraulic control from the pump-and-treat is unproven.		Yes	Yes			
	Action 6-1. Implement the treatability test plan for permeable reactive barrier utilizing apatite sequestration as described in the <i>Strontium-90 Treatability Test Plan for 100-NR-02 Groundwater Operable Unit</i> (DOE 2005c). Issue Treatability Test Report.	Yes	Yes	GRP	WDOE	09/2008

Table ES.1. CERCLA Five-Year Review Issues and Actions

Issues and Actions		Affects Current Protectiveness ¹	May Affect Future Protectiveness ²	Responsible Organization within DOE	TPA Lead Regulator	Action Due Date
		(Yes / No)	(Yes / No)			
Issue 7. Additional ecological data is needed to assess the interim actions prescribed within the record of decisions and to develop final cleanup standard. The extent of shoreline water quality impacts related to the diesel spill that occurred circa 1963 are not well known.		No ³	Yes			
	Action 7-1. Perform additional data collection to support risk assessment, provide to Ecology previously collected data, and coordinate with River Corridor sampling efforts to collect additional pore water data from new and existing aquifer tubes along the 100-NR-2 shoreline in order to assess water quality impacts.	No ³	Yes	GRP	WDOE	09/2008
100-D Area						
Issue 8. Groundwater monitoring data indicates there is an unidentified chromium vadose source in the 100-D Area near the demolished 190-DR clear wells.		No ³	Yes			
	Action 8-1. Complete a field investigation to investigate additional sources of chromium groundwater contamination within the 100-D Area. Additional geologic and geochemical investigations of the vadose zone in the 100-D Area.	No ³	Yes	GRP	WDOE	03/2009
Issue 9. There is less than adequate data to characterize potential chromium groundwater contamination between the 100-D and 100-H Area, in the area known as the "horn."		No ³	Yes			
	Action 9-1. Perform additional characterization of the aquifer for chromium contamination between the 100-D and 100-H Area, in the area known as the "horn," and evaluate the need to perform remedial action to meet the remedial action objectives of the 100-D record of decision for interim action. This issue will also be addressed in the final record of decision.	No ³	Yes	GRP	WDOE	09/2009
	Action 9-2. Incorporate the "horn" area into the 100-HR-3 interim ROD treatment zone if Action 9-1 indicates "horn" contains a groundwater chromium plume that needs immediate remediation.	Yes	Yes	GRP	WDOE	09/2009
Issue 10. Some of the groundwater wells near the 182-D reservoir show conductivity values similar to values expected for raw water indicating some leakage from the reservoir.		Yes	Yes			
	Action 10-1. Issue direction to the operating contractor to change operations to further minimize leakage from the 182-D reservoir.	Yes	Yes	GRP	WDOE	Completed
Issue 11. A few wells within the in situ redox manipulation barrier have shown break through much sooner than expected.		Yes	Yes			

Table ES.1. CERCLA Five-Year Review Issues and Actions

Issues and Actions		Affects Current Protectiveness ¹	May Affect Future Protectiveness ²	Responsible Organization within DOE	TPA Lead Regulator	Action Due Date
		(Yes / No)	(Yes / No)			
	Action 11-1. Initiate limited iron amendments to the in situ redox manipulation barrier to evaluate whether this enhances the performance.	Yes	Yes	GRP	WDOE	09/2007
	100-H Area					
	Issue 12. Groundwater samples from one deep well extending below the aquitard exceed the drinking water standard (100 µg/L) for chromium. The extent of chromium contamination in this zone is not well understood.	No ³	Yes			
	Action 12-1. Perform additional characterization of the aquifer below the initial aquitard.	No ³	Yes	GRP	WDOE	09/2009
	100-F Area					
	No issues or actions specific to the 100-F Area were identified.					
	200 Areas					
	Issue 13. There is less than adequate deep groundwater monitoring data downgradient of T Tank Farm to define the nature and extent of technetium-99 contamination. Further characterize the technetium-99 groundwater plume near T Tank Farm.	No ³	Yes			
	Action 13-1. Complete a data quality objective process and sampling plan to further characterize the technetium-99 groundwater plume near T Tank Farm.	No ³	Yes	GRP	EPA	03/2007
	Issue 14. The recent expansion of the 200-ZP-1 extraction well network near the TX-TY Tank Farm may result in technetium-99 contamination being pulled into the 200-ZP-1 treatment system. Treatment options for groundwater contaminated with technetium-99 need to be assessed.	No ³	Yes			
	Action 14-1. Assess treatment options to address technetium-99 near T Tank Farm.	No ³	Yes	GRP	EPA	09/2007
	Issue 15. Soil resistivity measurements have detected large regions of anomalous high soil conductivity in the area south of PUREX around the 216-A-4 crib and near the B/C cribs and trenches. Further characterization of the B/C cribs and trenches is needed.	No ³	Yes			
	Action 15-1. Complete data quality objective process and sampling plan to further characterize the high soil conductivity measurements detected at B/C cribs and trenches.	No ³	Yes	GRP	EPA	12/2007
	Issue 16. Efficiency and effectiveness of the 200-ZP-1 pump-and-treat system could be increased by increasing the pumping rate to fully utilize the treatment capacity.	No ⁴	Yes			
	Action 16-1. Increase the pump size in 200-ZP-1 extraction wells 299-W15-45 and 299-W15-47.	No ⁴	Yes	GRP	EPA	03/2007

Table ES.1. CERCLA Five-Year Review Issues and Actions

Issues and Actions		Affects Current Protectiveness ¹	May Affect Future Protectiveness ²	Responsible Organization within DOE	TPA Lead Regulator	Action Due Date
		(Yes / No)	(Yes / No)			
Issue 17. Efficiency of the carbon tetrachloride remediation could be increased by increasing the use of the 200-ZP-2 vapor extraction system. The soil-vapor extraction system is in limited operation. Expanding the soil-vapor extraction operations should be evaluated.		No ⁵	Yes			
	Action 17-1. Evaluate expanding the soil-vapor extraction operations. Also, specifically review converting former groundwater extraction well 299-W15-32 to a soil-vapor extraction well.	No ⁵	Yes	GRP	WDOE	03/2007
Issue 18. The remedial action objective for uranium was based upon the Washington State <i>Model Toxics Control Act</i> (MTCA) cleanup standard of 48 ppb when the 200-UP-1 interim ROD was issued. Since this time, EPA has established a drinking water standard for uranium of 30 ppb. There are also some other issues to be addressed within the ROD if an explanation of significant difference is prepared. These include the limited quarterly pumping requirement at well 299-W23-19, adjusting the pumping requirement for 200-UP-1 due to limited flow within the extraction well network, and technetium-99 groundwater contamination at other locations within the operable unit.		No ⁶	Yes			
	Action 18-1. Prepare an explanation of significant difference for 200-UP-1 interim ROD.	No ⁶	Yes	GRP	WDOE	6/2008
300 Area						
Issue 19. Predicted attenuation of uranium contaminant concentrations in the groundwater under the 300 Area has not occurred. DOE is currently performing additional characterization and treatability testing in the evaluation of more aggressive remedial alternatives.		Yes	Yes			
	Action 19-1. Complete focused feasibility study for 300-FF-5 Operable Unit to provide better characterization of the uranium contamination, develop a conceptual model, validate ecological consequences and evaluate treatment alternatives. Concurrently test injection of polyphosphate into the aquifer to immobilize the uranium and reduce the concentration of dissolved uranium. These activities support a CERCLA proposed plan.	No ⁷	Yes	GRP	EPA	09/2008
1100 Area						
Issue 20. Groundwater monitoring for the 1100-EM-1 Operable Unit is no longer necessary but continues following an extended period of monitoring that shows contaminant levels are below the maximum contaminant level and continue to show a downward trend.		No ⁸	No ⁸			
	Action 20-1. Submit a change request to modify groundwater monitoring for the 1100-EM-1 Operable Unit.	No ⁸	No ⁸	GRP	EPA	6/2007

Table ES.1. CERCLA Five-Year Review Issues and Actions

Issues and Actions	Affects Current Protectiveness ¹	May Affect Future Protectiveness ²	Responsible Organization within DOE	TPA Lead Regulator	Action Due Date
	(Yes / No)	(Yes / No)			
1 Does this issue/action currently affect the protectiveness of the remedy?					
2 Will this issue/action affect the protectiveness of the remedy in the future?					
3 Identifying the need for, and acquiring new data in the future, does not affect the current status of protectiveness.					
4 Identifying the need for, and expanding the capacity of the pumps in the future, does not affect the current status of protectiveness.					
5 Identifying the need for, and increasing the use of the vapor extraction system in the future, does not affect the current status of protectiveness.					
6 Changing the remedial action objective or other requirements of the ROD through an ESD does not affect the current status of protectiveness.					
7 Completion of the focused feasibility study in the future does not affect the current status of protectiveness					
8 Modifying the groundwater monitoring requirements for the 1100-EM-1 Operable Unit does not affect the current status of protectiveness.					
RCP – River Corridor Remediation Project GRP – Groundwater Remediation Project EPA – Environmental Protection Agency WDOE – Washington State Department of Ecology					

Attachment 3

Golden, James W

From: Fancher, Jonathan D (Jon)
Sent: Thursday, June 14, 2007 10:27 AM
To: Golden, James W
Subject: UMM

Attachments: MO780.PDF

Jim

At UMM please provide the following for me:

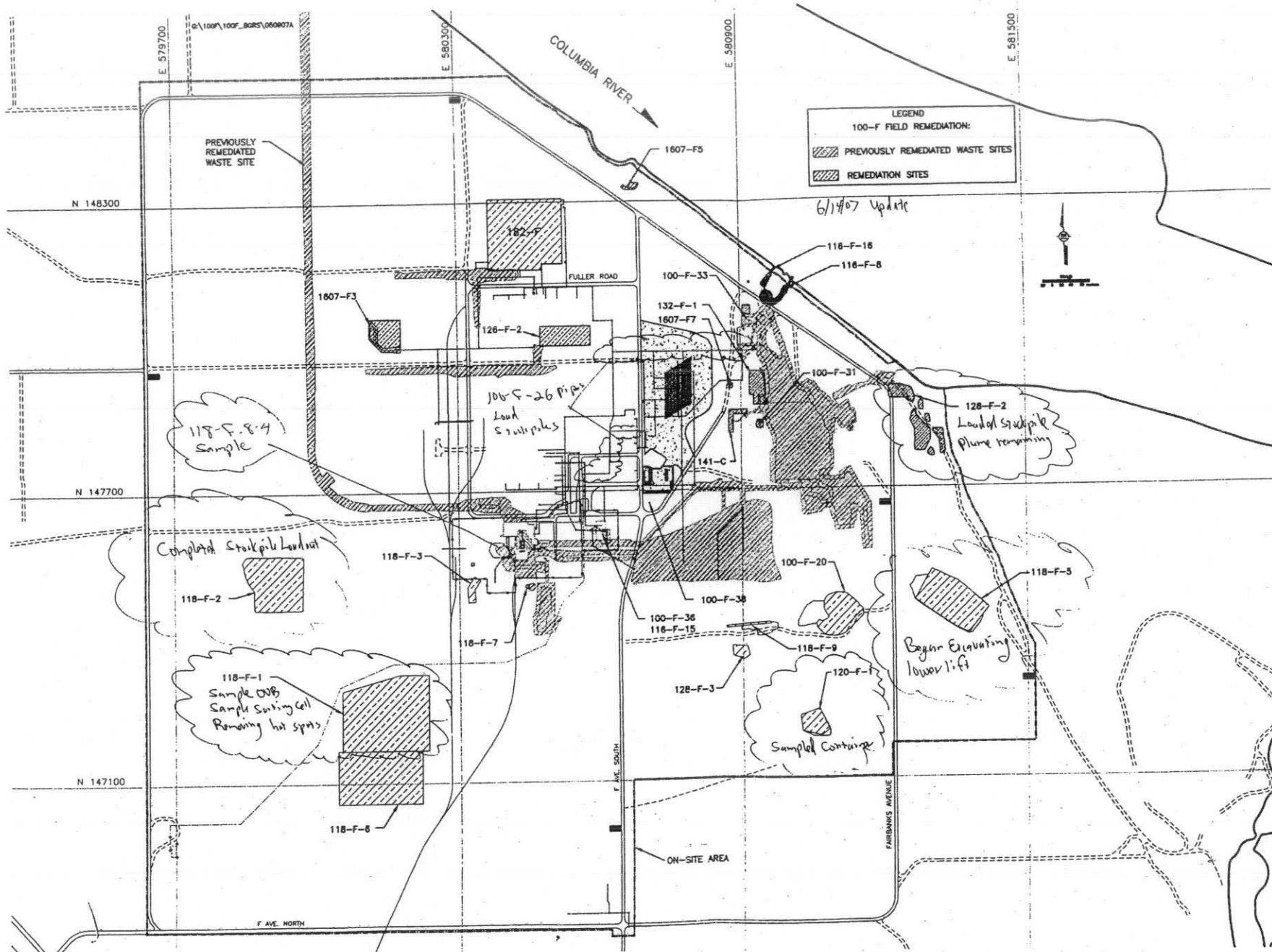


MO780.PDF (146 KB)

Map with the following discussion

- 118-F-1 continue loadout of hot spot, collect closeout samples
- 118-F-2 Completed stockpile loadout
- 118-F-8:4 Collected closeout samples
- 100-F-26 pipes Continue to loadout stockpiled material
- 128-F-2 Completed loadout of stockpile. Plume remaining.
- 118-F-5 began loadout of lower layer
- 120-F-1 Glass dump sampled staged ERDF container

Thanks



Attachment 4

Saueressig, Daniel G

From: Westover, Kent R [Kent_R_Westover@RL.gov]
Sent: Tuesday, May 29, 2007 7:11 AM
To: Price, John
Cc: Parnell, Scott E; Saueressig, Daniel G; Vanni, Jean; Bond, Fredrick W; Ayres, Jeffrey M; Donnelly, Jack W; Bazzell, Kevin D; Dittmer, Lorna M
Subject: RE: Piping removal from 1312-N vicinity
Attachments: 1312-N Construction Photo.pdf; 1312-N CMS References.pdf

John:

This appears to capture what we agreed to in our meeting last week on 5-23-07. I've attached a few pages from the Corrective Measures Study supporting this and a construction photo of the piping section at the 1312-N.

As you state below, we will characterize and designate the remaining 100-N-63 piping according to the SAP and in a consistent manner with those sections already removed. Later in the year when we get all the work plans together for the 1310-N (golf ball) and 1322-N/NA/NB/NC facilities, we can go into more detail about waste characterization, profiling, designation, and closure sampling.

Thanks, Kent

From: Price, John (ECY) [mailto:Jpri461@ecy.wa.gov]
Sent: Friday, May 25, 2007 3:24 PM
To: Bazzell, Kevin D
Cc: Westover, Kent R; Parnell, Scott E; Saueressig, Daniel G; Vanni, Jeanne; Bond, Rick; Ayres, Jeff; Donnelly, Jack W
Subject: Piping removal from 1312-N vicinity

With your agreement, I'd like to document in the next 100 Area UMM that:

DOE and Ecology agree that approximate 44 linear feet each of two 36-inch diameter pipes, between a junction box and the 1312-N unit, are not part of the 100-N-63 dangerous waste unit. The 1312-N unit is not included in the Hanford site-wide permit, and never handled dangerous waste.

Aside from this agreement, it is my understanding from the meeting, that DOE expects to characterize and designate the remaining portion of the 100-N-63 piping in a manner similar to the already removed piping.

Saueressig, Daniel G

From: Price, John (ECY) [Jpri461@ECY.WA.GOV]
Sent: Friday, May 25, 2007 3:24 PM
To: Bazzell, Kevin D
Cc: Westover, Kent R; Parnell, Scott E; Saueressig, Daniel G; Vanni, Jean; Bond, Fredrick W; Ayres, Jeffrey M; Donnelly, Jack W
Subject: Piping removal from 1312-N vicinity

With your agreement, I'd like to document in the next 100 Area UMM that:

DOE and Ecology agree that approximate 44 linear feet each of two 36-inch diameter pipes, between a junction box and the 1312-N unit, are not part of the 100-N-63 dangerous waste unit. The 1312-N unit is not included in the Hanford site-wide permit, and never handled dangerous waste.

Aside from this agreement, it is my understanding from the meeting, that DOE expects to characterize and designate the remaining portion of the 100-N-63 piping in a manner similar to the already removed piping.

6/12/2007

Attachment 5

UMM Action Item #100-132

Proposed change to the verification sampling approach for tritium in soil
June 14, 2007

Tritium sampling data from the 118-B-1 Burial Ground shows that additional tritium samples should be taken 3 ft below the surface where cleanup verification samples show detectable levels of tritium because evapotranspiration of tritium from surfaces exposed to the atmosphere decreases the tritium analyses.

It is proposed that following text be agreed to by the Tri-Parties and the agreement be included in the Unit Managers Meeting Minutes:

Where tritium is a COC for waste site closeout and cleanup verification samples show detectable levels of tritium, additional tritium samples will be taken from 3 ft below the surface because evapotranspiration of tritium from surfaces exposed to the atmosphere decreases the tritium analyses. However, if verification sampling returns all non-detects, no additional tritium sampling will be conducted below the excavation surface.

95% UCL Values for Radionuclide COCs in 118-B-1 Soil Verification Samples (All radionuclide results in pCi/g, background subtracted where appropriate)					
Radionuclide	Area 1	Area 2	Area 3	Area 4	Area 5
Tritium	158 (Max.: 239)	39.4 (Max.: 59.6)	12.8 (Max.: 19.0)	U	U

Attachment 6

Field Remediation
Sample Design and Cleanup Verification for the June 2007 UMM

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
300 AREA	RL/Regulator Review Draft A WI for 300-32	12/12/2007	1/14/2008
	RL/Regulator Review Draft A WI for 300-2	1/3/2008	1/30/2008
	RL/Regulator Review Draft A WI for 303-M UOF	1/9/2008	2/5/2008
	RL/Regulator Review Draft A WI for 600-276	1/15/2008	2/11/2008
	RL/Regulator Review Draft A WI for UPR-300-2	1/21/2008	2/14/2008
	RL/Regulator Sign Rev. 0 WI for 300-32	1/23/2008	1/30/2008
	RL/Regulator Sign Rev. 0 WI for 300-2	2/11/2008	2/19/2008
	RL/Regulator Sign Rev. 0 WI for 303-M UOF	2/14/2008	2/25/2008
	RL/Regulator Sign Rev. 0 WI for 600-276	2/21/2008	2/28/2008
	RL/Regulator Sign Rev. 0 WI for UPR-300-2	2/27/2008	3/5/2008
	RL/Regulator Review Draft A Closure Doc for 300-32	6/16/2008	7/30/2008
	RL/Regulator Review Draft A Closure Doc for 300-2	7/2/2008	8/18/2008
	RL/Regulator Review Draft A Closure Doc for 303-M UOF	7/9/2008	8/21/2008
	RL/Regulator Review Draft A Closure Doc for 600-276	7/15/2008	8/27/2008
	RL/Regulator Review Draft A Closure Doc for UPR-300-2	7/21/2008	9/3/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 300-32	8/21/2008	8/28/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 300-2	9/10/2008	9/17/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 303-M UOF	9/16/2008	9/23/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 600-276	9/22/2008	9/29/2008
	RL/Regulator Sign Rev. 0 Closure Doc for UPR-300-2	9/25/2008	10/2/2008
	RL/Ecology Rev of Draft A ESD for 300 Area	5/30/2007	7/17/2007
	RL/Regulator Review Draft A Closure Doc for 300-48	7/15/2008	8/27/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 300-48	9/22/2008	9/30/2008
	RL/Regulator Review Draft A Closure Doc for 618-13	12/3/2008	1/21/2009
	RL/Regulator Review Draft A Closure Doc for 618-7	12/22/2008	2/17/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 618-13	2/12/2009	2/23/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 618-7	3/11/2009	3/18/2009
	RL/Regulator Review Draft A Closure Doc for 618-1	5/26/2009	7/9/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 618-1	7/13/2009	7/20/2009
100-BC	RL/Regulator Review Draft A WI for 100-B-18	6/18/2007	7/16/2007
	RL/Regulator Review Draft A WI for 100-B-19	6/18/2007	7/16/2007
	RL/Regulator Review Draft A WI for 100-B-23	6/18/2007	7/16/2007
	RL/Regulator Sign Rev. 0 WI for 100-B-18	7/10/2007	7/17/2007
	RL/Regulator Sign Rev. 0 WI for 100-B-19	7/10/2007	7/17/2007
	RL/Regulator Sign Rev. 0 WI for 100-B-23	7/25/2007	8/1/2007
	RL/Regulator Review Draft A WI for 100-B-27	7/19/2007	8/15/2007
	RL/Regulator Review Draft A WI for 1607-B5	8/2/2007	8/29/2007
	RL/Regulator Sign Rev. 0 WI for 100-B-27	8/27/2007	9/4/2007
	RL/Regulator Sign Rev. 0 WI for 1607-B5	9/11/2007	9/18/2007
	RL/Regulator Review Draft A WI for 100-B-17	1/31/2008	2/28/2008
	RL/Regulator Sign Rev. 0 WI for 100-B-17	3/11/2008	3/18/2008
	RL/Regulator Review Draft A WI for 100-C-7	9/15/2008	10/9/2008
	RL/Regulator Sign Rev. 0 WI for 100-C-7	10/21/2008	10/28/2008
	RL/Regulator Rev of Draft A Closure Doc for 118-C-1	4/24/2007	5/3/2007
	RL/Regulator Rev of Draft A Closure Doc for 118-B-1	5/24/2007	6/28/2007
	RL/Regulator Review Draft A WI for 116-C-3	5/19/2007	5/25/2007

**Field Remediation
Sample Design and Cleanup Verification for the June 2007 UMM**

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
100-BC (Continued)			
	RL/Regulator Approve/Signature Rev. 0 WI for 116-C-3	6/3/2007	6/8/2007
	RL/Regulator review of Draft A Closure Doc for 116-C-3	7/23/2007	9/4/2007
	RL/Regulator Sign Rev 0 Closure Doc for 116-C-3	9/20/2007	9/26/2007
	RL/Regulator review of Draft A Closure Doc. 100-C-9	4/18/2007	5/22/2007
	RL/Regulator Sign Rev 0 Closure Doc for 100-C-9	6/12/2007	6/18/2007
	RL/Regulator Review Draft A Closure Doc for 1607-B1	7/16/2007	8/28/2007
	RL/Regulator Sign Rev. 0 Closure Doc for 1607-B1	9/20/2007	9/27/2007
100-F			
	RL/Regulator Review Draft A Closure Doc for 126-F-1	5/8/2007	6/25/2007
	RL/Regulator Sign Rev. 0 Closure Doc for 126-F-2	7/16/2007	7/19/2007
	RL/Regulator Review Draft A Closure Doc for 100-F-26	6/26/2007	8/9/2007
	RL/Regulator Sign Rev 0 Closure Doc for 100-F-26	8/13/2007	8/20/2007
	RL/Regulator Review Draft A WI for -118-F-8	7/2/2007	7/30/2007
	RL/Regulator Sign Rev 0 WI for -118-F-8	7/22/2007	7/30/2007
	RL/Regulator review of Draft A Closure Docm. 128-F-2	7/21/2007	8/19/2007
	RL/Regulator Sign Rev 0 Closure Doc for -100-F-36	7/3/2007	7/11/2007
	RL/Regulator Sign. & Issue Rev 0 Closure Docm.128-F-2	9/8/2007	9/14/2007
	RL/Regulator Review Draft A Closure Doc for -118-F-8	8/8/2007	9/24/2007
	RL/Regulator Sign Rev 0 Closure Doc for -118-F-8	9/17/2007	9/24/2007
	RL/Regulator Review Draft A WI for -1607-F1	6/11/2007	7/8/2007
	RL/Regulator Sign Rev 0 WI for -1607-F1	7/9/2007	7/16/2007
	RL/Regulator Review Draft A Closure Doc for -1607-F1	8/20/2007	10/3/2007
	RL/Regulator Sign Rev 0 Closure Doc for -1607-F1	9/26/2007	10/3/2007
	RL/Regulator Review Draft A Closure Doc for -118-F-5	9/13/2007	10/29/2007
	RL/Regulator Review Draft A Closure Doc for -118-F-2	10/15/2007	11/29/2007
	RL/Regulator Sign Rev 0 Closure Doc for -118-F-5	10/22/2007	10/29/2007
	RL/Regulator review of Draft A Closure Docm. 118-F-6	11/1/2007	12/3/2007
	RL/Regulator Review Draft A Closure Doc for -118-F-1	11/1/2007	12/19/2007
	RL/Regulator Sign Rev 0 Closure Doc for -118-F-2	12/3/2007	12/10/2007
	Resolve/Incorp RL/Regulator Commnts Prep Rev.0 118-F-6	12/4/2007	12/5/2007
	RL/Regulator Sign Rev 0 Closure Doc for -118-F-1	12/12/2007	12/19/2007
	RL/Regulator Review Draft A WI 120-F-1	5/15/2007	6/5/2007
	RL/Regulator Approve/Signature Rev. 0 WI 120-F-1	6/13/2007	6/19/2007
	RL/Regulator Review Draft A Closure Doc for -120-F-1	9/13/2007	10/29/2007
	RL/Regulator Sign Rev 0 Closure Doc for -120-F-1	10/30/2007	11/6/2007
	RL/Regulator Review Draft A WI for 100-F-51	5/17/2007	6/14/2007
	RL/Regulator Review Draft A WI for 100-F-54	5/18/2007	6/15/2007
	RL/Regulator Review Draft A WI for 100-F-57	5/18/2007	6/15/2007
	RL/Regulator Review Draft A WI for 100-F-52	5/17/2007	6/14/2007
	RL/Regulator Review Draft A WI for 100-F-44	6/1/2007	6/29/2007
	RL/Regulator Review Draft A WI for 100-F-45	5/8/2007	6/25/2007
	RL/Regulator Review Draft A WI for 100-F-56	5/18/2007	6/15/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-51	6/23/2007	6/28/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-54	5/24/2007	6/4/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-57	5/25/2007	6/5/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-52	5/25/2007	6/5/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-44	7/7/2007	7/14/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-45	7/7/2007	7/14/2007

Field Remediation
Sample Design and Cleanup Verification for the June 2007 UMM

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
100-F (Continued)			
	RL/Regulator Sign Rev. 0 WI for 100-F-56	6/21/2007	6/28/2007
	RL/Regulator Review Draft A Closure Doc for 100-F-57	10/2/2007	11/14/2007
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-47	10/10/2007	10/17/2007
	RL/Regulator Review Draft A Closure Doc for 100-F-46	12/4/2007	1/22/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-57	12/11/2007	12/18/2007
	RL/Regulator Review Draft A Closure Doc for 100-F-45	12/11/2007	1/29/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-44	12/13/2007	1/31/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-54	12/13/2007	1/31/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-50	12/19/2007	2/6/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-49	12/26/2007	2/11/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-48	1/2/2008	2/14/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-56	1/23/2008	3/10/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-51	1/31/2008	3/18/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-52	2/7/2008	3/25/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-46	2/13/2008	2/21/2008
	RL/Regulator Review Draft A Closure Doc for 100-F-53	2/14/2008	4/1/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-45	2/21/2008	2/28/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-44	2/26/2008	3/4/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-54	2/26/2008	3/4/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-50	3/3/2008	3/10/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-49	3/5/2008	3/12/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-48	3/11/2008	3/18/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-56	4/1/2008	4/8/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-51	4/9/2008	4/16/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-52	4/16/2008	4/23/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-F-53	4/23/2008	4/30/2008
100-D			
	RL/Regulator Review Draft A WI for 100-D-30	7/4/2007	7/28/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-30	7/21/2007	7/28/2007
	RL/Regulator Review Draft A WI for 126-DR-1	8/14/2007	9/11/2007
	RL/Reg Review Draft A Closure Doc for 100-D-30	8/28/2007	10/11/2007
	RL/Regulator Sign Rev. 0 WI for 126-DR-1	9/4/2007	9/11/2007
	RL/Regulator Review Draft A WI for 100-D-56	6/14/2007	7/11/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-56	7/20/2007	7/27/2007
	RL/Regulator Review Draft A Closure Doc for 100-D-56	10/21/2007	12/4/2007
	RL/Regulator Review Draft A WI for 120-D-2	8/30/2007	9/27/2007
	RL/Regulator Sign Rev. 0 WI for 120-D-2	9/20/2007	9/27/2007
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-56	12/27/2007	1/4/2008
	RL/Regulator Review Draft A Closure Doc for 120-D-2	3/5/2008	3/26/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 120-D-2	3/19/2008	3/26/2008
	RL/Regulator Review Draft A WI for 100-D-29	9/22/2008	1/6/2009
	RL/Regulator Sign Rev. 0 WI for 100-D-29	12/29/2008	1/6/2009
	RL/Regulator Review Draft A WI for UPR-100-D-5	1/7/2009	1/22/2009
	RL/Regulator Review Draft A WI for 100-D-1	1/13/2009	2/9/2009
	RL/Regulator Sign Rev. 0 WI for UPR-100-D-5	1/15/2009	1/22/2009
	RL/Regulator Sign Rev. 0 WI for 100-D-1	2/2/2009	2/9/2009
	RL/Regulator Review Draft A Closure Doc for 100-D-29	5/13/2009	6/29/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-29	6/22/2009	6/29/2009

Field Remediation
Sample Design and Cleanup Verification for the June 2007 UMM

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
100-D (Continued)			
	RL/Regulator Review Draft A Closure Doc for UPR-100-D-5	8/5/2009	9/21/2009
	RL/Regulator Review Draft A Closure Doc for 100-D-1	8/25/2009	10/6/2009
	RL/Regulator Sign Rev. 0 Closure Doc for UPR-100-D-5	9/14/2009	9/21/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-1	9/29/2009	10/6/2009
	RL/Regulator Review Draft A Closure Doc for 100-D-1	10/5/2009	10/6/2009
	RL/Regulator Review Draft A WI for 100-D-32	12/13/2007	1/15/2008
	RL/Regulator Review Draft A WI for 100-D-3	12/31/2007	1/28/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-32	1/8/2008	1/15/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-3	1/21/2008	1/28/2008
	RL/Regulator Review Draft A WI for 100-D-41	3/27/2008	4/23/2008
	RL/Regulator Review Draft A WI for 100-D-33	4/1/2008	4/28/2008
	RL/Regulator Review Draft A WI for 100-D-35	4/3/2008	4/30/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-41	4/16/2008	4/23/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-33	4/21/2008	4/28/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-35	4/23/2008	4/30/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-32	6/12/2008	7/8/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-32	6/17/2008	7/8/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-32	6/30/2008	7/8/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-3	8/7/2008	9/23/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-3	9/16/2008	9/23/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-41	10/9/2008	11/24/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-33	11/4/2008	12/22/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-41	11/17/2008	11/24/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-33	12/15/2008	12/22/2008
	RL/Regulator Review Draft A WI for 1607-D2:2	12/18/2008	2/5/2009
	RL/Regulator Review Draft A Closure Doc for 100-D-35	1/14/2009	3/2/2009
	RL/Regulator Sign Rev. 0 WI for 1607-D2:2	1/29/2009	2/5/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-35	2/23/2009	3/2/2009
	RL/Regulator Review Draft A Closure Doc for 1607-D2:2	8/19/2009	10/5/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 1607-D2:2	9/28/2009	10/5/2009
	RL/Regulator Review Draft A WI for 126-D-2	9/23/2010	10/20/2010
	RL/Regulator Sign Rev. 0 WI for 126-D-2	10/13/2010	10/20/2010
	RL/Regulator Review Draft A Closure Doc for 126-D-2	3/7/2011	4/19/2011
	RL/Regulator Sign Rev. 0 Closure Doc for 126-D-2	4/12/2011	4/19/2011
	RL/Regulator Review Draft A WI for 100-D-30	5/3/2007	5/31/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-30	5/23/2007	5/31/2007
	RL/Regulator Review Draft A Closure Doc for 100-D-30	8/14/2007	9/27/2007
	RL/Regulator Review Draft A WI for 100-D-2	8/30/2007	9/27/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-2	9/20/2007	9/27/2007
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-30	9/20/2007	9/27/2007
	RL/Regulator Review Draft A Closure Doc for 100-D-2	2/20/2008	3/26/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-2	3/19/2008	3/26/2008
	RL/Regulator Review Draft A WI for 100-D-31	11/25/2008	12/29/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-31	1/8/2009	1/15/2009
	RL/Regulator Review Draft A WI for 116-D-5	1/22/2009	2/19/2009
	RL/Regulator Review Draft A WI for 116-DR-5	2/2/2009	3/2/2009
	RL/Regulator Sign Rev. 0 WI for 116-D-5	2/11/2009	2/19/2009
	RL/Regulator Sign Rev. 0 WI for 116-DR-5	2/24/2009	3/2/2009
	RL/Regulator Review Draft A Closure Doc for 100-D-31	4/16/2009	6/2/2009

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AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
100-D (Continued)			
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-31	6/24/2009	7/1/2009
	RL/Regulator Review Draft A Closure Doc for 116-D-5	9/16/2009	10/15/2009
	RL/Regulator Review Draft A Closure Doc for 116-DR-5	9/21/2009	10/19/2009
	RL/Regulator Review Draft A Closure Doc for 116-DR-5	10/5/2009	10/19/2009
	RL/Regulator Review Draft A Closure Doc for 116-D-5	10/7/2009	10/15/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 116-D-5	10/8/2009	10/15/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 116-DR-5	10/12/2009	10/19/2009
	RL/Regulator Review Draft A WI for 100-D-61	4/21/2011	5/18/2011
	RL/Regulator Sign Rev. 0 WI for 100-D-61	5/11/2011	5/18/2011
	RL/Regulator Review Draft A Closure Doc for 100-D-61	9/8/2011	10/24/2011
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-61	10/17/2011	10/24/2011
	RL/Regulator Review Draft A WI for 126-DR-1	7/26/2007	8/22/2007
	RL/Regulator Sign Rev. 0 WI for 126-DR-1	8/15/2007	8/22/2007
	RL/Regulator Review Draft A Closure Doc for 126-DR-1	2/11/2008	3/26/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 126-DR-1	3/19/2008	3/26/2008
	RL/Regulator Review Draft A WI for 100-D-47	12/13/2007	1/15/2008
	RL/Regulator Review Draft A WI for 100-D-43	12/19/2007	1/21/2008
	RL/Regulator Review Draft A WI for 100-D-45	12/27/2007	1/15/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-45	1/8/2008	1/15/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-47	1/8/2008	1/15/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-43	1/14/2008	1/21/2008
	RL/Regulator Review Draft A WI for 100-D-40	3/25/2008	4/21/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-40	4/14/2008	4/21/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-47	5/21/2008	7/8/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-45	6/25/2008	7/15/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-47	7/1/2008	7/8/2008
	RL/Regulator Review Draft A WI for 118-D-4	7/7/2008	7/31/2008
	RL/Regulator Review Draft A WI for 118-D-1	7/14/2008	8/7/2008
	RL/Regulator Sign Rev. 0 WI for 118-D-4	7/24/2008	7/31/2008
	RL/Regulator Sign Rev. 0 WI for 118-D-1	7/31/2008	8/7/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-43	7/31/2008	9/16/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-45	8/14/2008	9/10/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-45	9/3/2008	9/10/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-43	9/9/2008	9/16/2008
	RL/Regulator Review Draft A Closure Doc for 100-D-40	10/1/2008	10/22/2008
	RL/Regulator Review Draft A WI for 118-D-5	10/15/2008	12/2/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-D-40	10/21/2008	10/22/2008
	RL/Regulator Review Draft A WI for 118-DR-1	10/21/2008	12/8/2008
	RL/Regulator Sign Rev. 0 WI for 118-D-5	11/20/2008	12/2/2008
	RL/Regulator Sign Rev. 0 WI for 118-DR-1	12/1/2008	12/8/2008
	RL/Regulator Review Draft A WI for 118-D-3	12/16/2008	1/15/2009
	RL/Regulator Review Draft A Closure Doc for 118-D-4	12/31/2008	2/17/2009
	RL/Regulator Sign Rev. 0 WI for 118-D-3	1/8/2009	1/15/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-D-4	2/9/2009	2/17/2009
	RL/Regulator Review Draft A Closure Doc for 118-D-1	4/16/2009	6/2/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-D-1	5/26/2009	6/2/2009
	RL/Regulator Review Draft A Closure Doc for 118-D-5	6/17/2009	8/3/2009
	RL/Regulator Review Draft A Closure Doc for 118-DR-1	7/1/2009	8/17/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-D-5	7/27/2009	8/3/2009

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AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
100-D (Continued)			
	RL/Regulator Review Draft A Closure Doc for 118-D-3	7/29/2009	9/14/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-D-1	8/10/2009	8/17/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-D-3	9/3/2009	9/14/2009
	RL/Regulator Review Draft A WI for 118-D-2	9/10/2009	10/7/2009
	RL/Regulator Sign Rev. 0 WI for 118-D-2	9/30/2009	10/7/2009
	RL/Regulator Review Draft A Closure Doc for 118-D-2	3/24/2010	5/6/2010
	RL/Regulator Sign Rev. 0 Closure Doc for 118-D-2	4/29/2010	5/6/2010
	RL/Regulator Review Draft A WI for 116-D-8	9/21/2009	10/15/2009
	RL/Regulator Sign Rev. 0 WI for 116-D-8	10/8/2009	10/15/2009
	RL/Regulator Review Draft A Closure Doc for 116-D-8	4/13/2010	5/26/2010
	RL/Regulator Sign Rev. 0 Closure Doc for 116-D-8	5/19/2010	5/26/2010
	RL/Regulator review Draft A Closure Doc 100-D-50:2	4/18/2007	5/22/2007
	RL/Regulator Sign & Issue Rev 0 Closure Doc. 100-D-50:2	6/11/2007	6/14/2007
	RL/Regulator review of Draft A Closure Doc for 100-D-1	9/13/2007	10/17/2007
	DOE/EPA/Review & Approval AMP for 100 D Desin	4/9/2007	5/3/2007
100-H			
	RL/Regulator Review Draft A WI for 116-H-9	11/29/2007	12/31/2007
	RL/Regulator Sign Rev. 0 WI for 116-H-9	1/10/2008	1/17/2008
	RL/Regulator Review Draft A WI for 116-H-5	3/11/2008	4/7/2008
	RL/Regulator Review Draft A WI for 100H Mud Daubers	3/12/2008	4/8/2008
	RL/Regulator Sign Rev. 0 WI for 116-H-5	4/16/2008	4/23/2008
	RL/Regulator Sign Rev. 0 WI for 100H Mud Daubers	4/17/2008	4/24/2008
	RL/Regulator Review Draft A WI for 118-H-6	8/26/2008	9/23/2008
	RL/Regulator Review Draft A WI for 100-H-33	9/17/2008	10/14/2008
	RL/Regulator Sign Rev. 0 WI for 118-H-6	10/2/2008	10/9/2008
	RL/Regulator Review Draft A Clos Doc for 116-H-9	10/2/2008	11/17/2008
	RL/Regulator Sign Rev. 0 WI for 100-H-33	10/23/2008	10/30/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 116-H-9	12/11/2008	12/18/2008
	RL/Regulator Review Draft A Clos Doc for 116-H-5	1/6/2009	2/19/2009
	RL/Regulator Review Draft A Clos Doc for 100H Mud Dauber	1/6/2009	2/19/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 116-H-5	3/16/2009	3/23/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 100H Mud Dauber	3/16/2009	3/23/2009
	RL/Regulator Review Draft A Clos Doc for 118-H-6	7/1/2009	8/17/2009
	RL/Regulator Review Draft A WI for 100-H-34	7/14/2009	8/10/2009
	RL/Regulator Review Draft A Clos Doc for 100-H-33	7/23/2009	9/8/2009
	RL/Regulator Sign Rev. 0 WI for 100-H-34	8/19/2009	8/26/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-H-6	9/9/2009	9/16/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-33	10/1/2009	10/8/2009
	RL/Regulator Review Draft A Clos Doc for 100-H-34	5/18/2010	7/1/2010
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-34	7/27/2010	8/3/2010
	RL/Regulator Review Draft A WI for 600-152	12/26/2007	1/23/2008
	RL/Regulator Sign Rev. 0 WI for 600-152	2/4/2008	2/11/2008
	RL/Regulator Review Draft A WI for 118-H-1	8/25/2008	9/22/2008
	RL/Regulator Review Draft A WI for 118-H-2	9/25/2008	10/22/2008
	RL/Regulator Sign Rev. 0 WI for 118-H-1	10/1/2008	10/8/2008
	RL/Regulator Review Draft A Clos Doc for 600-152	10/27/2008	12/11/2008
	RL/Regulator Sign Rev. 0 WI for 118-H-2	11/3/2008	11/10/2008

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Sample Design and Cleanup Verification for the June 2007 UMM

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
100-H (Continued)			
	RL/Regulator Review Draft A WI for 118-H-3	11/3/2008	12/2/2008
	RL/Regulator Review Draft A WI for 118-H-4	11/10/2008	12/9/2008
	RL/Regulator Review Draft A WI for 118-H-5	11/12/2008	12/11/2008
	RL/Regulator Sign Rev. 0 WI for 118-H-3	12/11/2008	12/18/2008
	RL/Regulator Sign Rev. 0 WI for 118-H-4	12/18/2008	12/30/2008
	RL/Regulator Sign Rev. 0 WI for 118-H-5	12/23/2008	1/5/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 600-152	1/8/2009	1/15/2009
	RL/Regulator Review Draft A Clos Doc for 118-H-1	6/30/2009	8/13/2009
	RL/Regulator Review Draft A Clos Doc for 118-H-2	8/3/2009	9/16/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-H-1	9/8/2009	9/15/2009
	RL/Regulator Review Draft A Clos Doc for 118-H-3	9/9/2009	10/22/2009
	RL/Regulator Review Draft A Clos Doc for 118-H-4	9/16/2009	10/29/2009
	RL/Regulator Review Draft A Clos Doc for 118-H-5	9/21/2009	11/3/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-H-2	10/8/2009	10/15/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-H-3	11/16/2009	11/23/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-H-4	11/23/2009	12/2/2009
	RL/Regulator Sign Rev. 0 Closure Doc for 118-H-5	11/30/2009	12/7/2009
	Regulator Approve/Sign Rev. 0 WI 100-H-28:9	4/2/2007	4/5/2007
	Regulator Approv/Sign Rev.0 Closure Doc 100-H-28:10	4/2/2007	4/5/2007
	RL/Regulator Review Draft A Closure Doc for 128-H-3	7/3/2007	8/16/2007
	RL/Regulator Review Draft A Closure Doc for 128-H-2	7/12/2007	8/27/2007
	RL/Regulator Sign Rev. 0 Closure Doc for 128-H-3	9/11/2007	9/18/2007
	RL/Regulator Sign Rev. 0 Closure Doc for 128-H-2	9/19/2007	9/26/2007
	RL/Regulator Review Draft A Closure Doc for 100-H-28:2	8/14/2008	9/30/2008
	RL/Regulator Review Draft A Closure Doc for 100-H-28:3	8/20/2008	10/6/2008
	RL/Regulator Review Draft A Closure Doc for 100-H-28:4	8/26/2008	10/9/2008
	RL/Regulator Review Draft A Closure Doc for 100-H-28:5	9/2/2008	10/15/2008
	RL/Regulator Review Draft A Closure Doc for 100-H-3	9/8/2008	10/21/2008
	RL/Regulator Review Draft A Closure Doc for 100-H-4	9/11/2008	10/27/2008
	RL/Regulator Review Draft A Closure Doc for 100-H-7	9/17/2008	10/30/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-28:2	10/22/2008	10/29/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-28:3	10/28/2008	11/4/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-28:4	11/3/2008	11/10/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-28:5	11/6/2008	11/13/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-3	11/12/2008	11/19/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-4	11/18/2008	11/25/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-H-7	11/24/2008	12/3/2008
100-N			
	Regulator Sign Rev 0 Closure Doc for 116-N-1	3/26/2007	3/29/2007
	DOE Review Bid for 100 N Design	2/29/2008	3/29/2008
	RL/Regulator Review Draft A WI for 100-N-28	11/27/2007	12/26/2007
	RL/Regulator Review Draft A WI for 100-N-53	12/4/2007	1/3/2008
	RL/Regulator Review Draft A WI for 100-N-55	12/11/2007	1/10/2008
	RL/Regulator Review Draft A WI for 100-N-65	12/18/2007	1/17/2008
	RL/Regulator Review Draft A WI for 100-N-66	12/27/2007	1/24/2008
	RL/Regulator Review Draft A WI for 100-N-68	1/7/2008	1/31/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-28	1/8/2008	1/15/2008
	RL/Regulator Review Draft A WI for 100-N-79	1/14/2008	2/7/2008

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AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
100-N (Continued)			
	RL/Regulator Sign Rev. 0 WI for 100-N-53	1/15/2008	1/22/2008
	RL/Regulator Review Draft A WI 100-N-62 Pipes	1/21/2008	2/14/2008
	RL/Regulator Review Draft A WI for 120-N-4	1/21/2008	2/14/2008
	RL/Regulator Review Draft A WI for 628-2	1/21/2008	2/14/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-55	1/22/2008	1/29/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-65	1/29/2008	2/5/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-66	2/5/2008	2/12/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-68	2/12/2008	2/20/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-79	2/20/2008	2/27/2008
	RL/Regulator Sign Rev. 0 WI 100-N-62 Pipes	2/27/2008	3/5/2008
	RL/Regulator Sign Rev. 0 WI for 120-N-4	2/27/2008	3/5/2008
	RL/Regulator Sign Rev. 0 WI for 628-2	2/27/2008	3/5/2008
	RL/Regulator Review Draft A WI 100 N Misc Pipe	4/17/2008	5/14/2008
	RL/Regulator Sign Rev. 0 WI 100N Misc Pipe	5/27/2008	6/3/2008
	RL/Regulator Review Draft A Closure Doc for 100-N-28	5/29/2008	7/15/2008
	RL/Regulator Review Draft A Closure Doc for 100-N-53	6/5/2008	7/22/2008
	RL/Regulator Review Draft A Closure Doc for 100-N-55	6/12/2008	7/29/2008
	RL/Regulator Review Draft A Closure Doc for 100-N-65	7/14/2008	8/26/2008
	RL/Regulator Review Draft A Closure Doc for 100-N-66	7/21/2008	9/3/2008
	RL/Regulator Review Draft A Closure Doc 100-N-62 Pipes	7/28/2008	9/10/2008
	RL/Regulator Review Draft A Closure Doc for 100-N-68	7/28/2008	9/10/2008
	RL/Regulator Review Draft A Closure Doc for 100-N-79	8/4/2008	9/17/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-N-28	8/6/2008	8/13/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-N-53	8/13/2008	8/20/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-N-55	8/20/2008	8/27/2008
	RL/Regulator Review Draft A Closure Doc for 120-N-4	9/2/2008	10/15/2008
	RL/Regulator Review Draft A Closure Doc for 628-2	9/9/2008	10/22/2008
	RL/Regulator Review Draft A Closure Doc 100N Misc Pipe	9/16/2008	10/29/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-N-65	9/18/2008	9/25/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-N-66	9/25/2008	10/2/2008
	RL/Regulator Sign Rev. 0 Closure Doc 100-N-62 Pipes	10/2/2008	10/9/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-N-68	10/2/2008	10/9/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 100-N-79	10/9/2008	10/16/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 120-N-4	11/6/2008	11/13/2008
	RL/Regulator Sign Rev. 0 Closure Doc for 628-2	11/13/2008	11/20/2008
	RL/Regulator Sign Rev. 0 Closure Doc 100N Misc Pipe	11/20/2008	12/2/2008
100 AREA			
	RL/Regulator Review of Draft A ESD for 100 Area	5/7/2007	7/26/2007

Attachment 7

100-B/C Area Field Remediation Weekly Status
6/13/07

118-B-1/118-C-1 Anomalies Characterization

- Successfully reduced the anomaly inventory by 17 items. Seventeen non-liquid/non-containerized items were placed into a B25 box for grouting.
- Status: there are currently 25 unopened/uncharacterized anomalous items that remain at 118-B-1, (42 - 17 = 25).
- PNNL conducted a technology demonstration for a non-intrusive sonic device to determine whether an anomalous item contains liquid.

Characterization/Shipping of SNF from 118-B-1 and 118-C-1

- Continuously working on the SARP to allow the shipment of the SNF material to K-Basins.
- The SARP is currently in review.
- Met with DOE and EPA to discuss schedule delays.

118-B-1

- Assuming favorable sample and LARADS survey results, all load out activities at 118-B-1 is complete. Waiting on sample results.
- Down posted previous load out areas.

118-C-1

- See SNF Characterization.

116-C-3

- Continue to have strategy meetings with the subcontractor concerning opening treatment, and remediation of the tanks.
- Ordered equipment and material for mockups. The concrete and fly ash will arrive the week of June 18.

100-B-27

- Load out operations associated with this site was suspended due to wind and ERDF's ability to dispose of the material. Excavation and load out will continue as issues are resolved.

1607-B1

- Completed the confirmatory sampling campaign. Waiting on sample results.

100-B-18

- Collected a metals sample to support PPE requirements for future loadout operations. Waiting on sample results.
- Conducted a site walk down with the Subcontractor.

100-B-19

- Conducted a site walk down in anticipation of remediation.

- Removed rail road track in anticipation of remediation.
- Conducted GPR surveys.

100-B-21

- Removed overburden from pipeline sections #2 and #19.
- Removed pipeline #2.

100-B-23

- Initiated the cleanup of this site. This site is a collection of multiple pieces of debris scattered across the 100-BC area.

Miscellaneous

- At this time, some remedial activities associated with 116-C-3 and intrusive anomaly work has been deferred based on the ISMS Phase II certification.

Work planned for the week of June 20

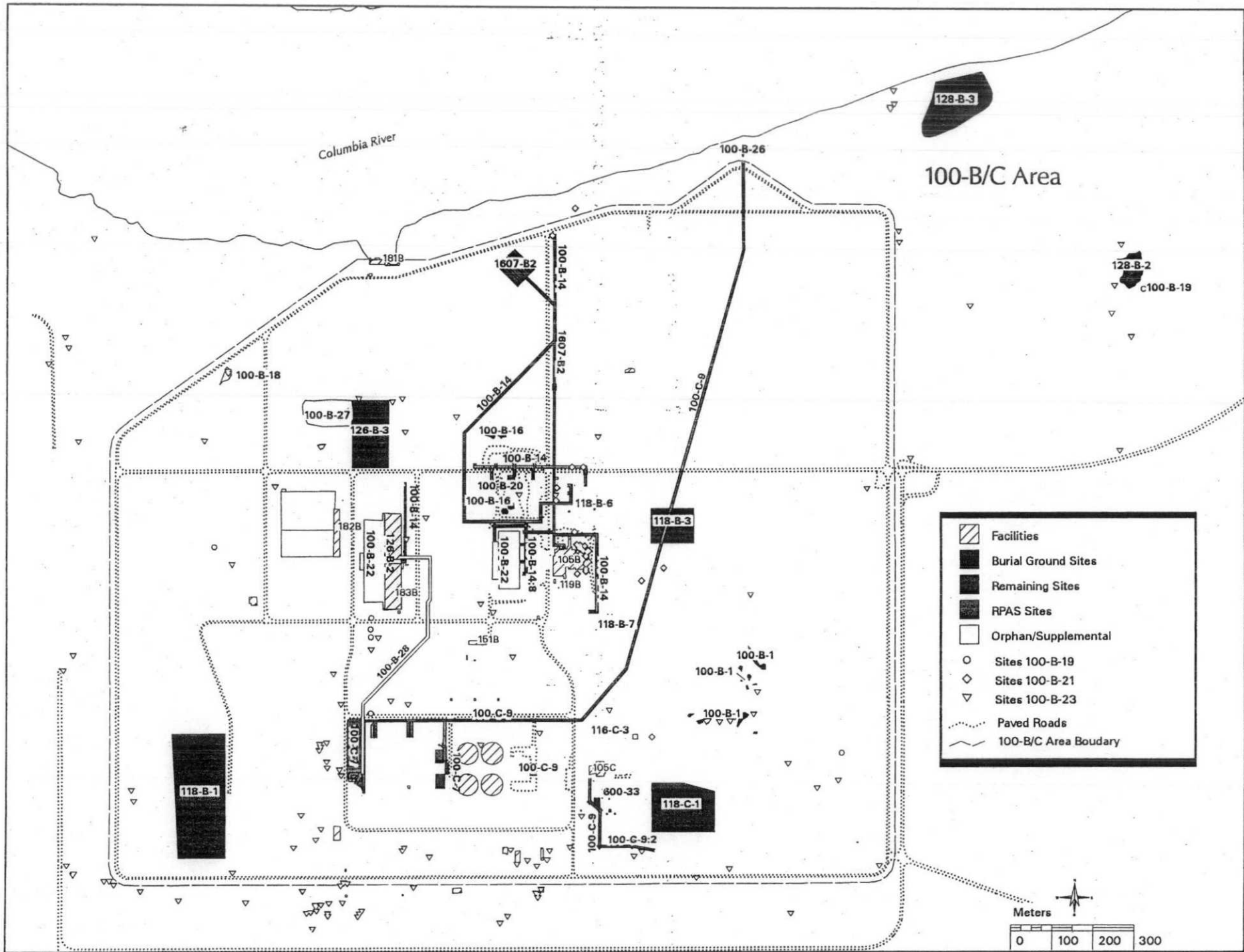
- Continue to remediate 100-B-23.
- Continue to remediate 100-B-21.
- Continue to work with our subcontractors to support the remediation of 116-C-3. Complete the dust mockup.
- Load-out soil from 100-B-27.
- Continue to reduce the non-liquid/ non-containerized waste items at 118-B-1.

Work planned for the week of June 27

- Continue to work with our subcontractors to support the remediation of 116-C-3.
- Continue to remediate 100-B-23.
- Continue to remediate 100-B-21.
- Drill two boreholes at 100-C-7.
- Continue to reduce the non-liquid/ non-containerized waste items at 118-B-1.

Future work; beyond two weeks

- Continue to remediate 100-B-18, 100-B-19, 100-B-23, and 1607-B5. These sites will be remediated as resources are available. The major focus will be on 116-C-3, anomalous waste, and the shipment of SNF.
- Shipment of SNF from 100-BC to K-Basins will occur in FY08. The critical path activity is the development of the SARP.
- Backfill at 118-B-1, this is dependent upon the outcome of the tritium bore hole results. Most likely, this activity can not be initiated until October, 2007.
- Characterize the remaining anomalous containers. The specialty subcontractor, IES, has a schedule opening during late July to execute this work.



Attachment 8

Golden, James W

From: Golden, James W
Sent: Wednesday, June 06, 2007 9:24 AM
To: Donnelly, Jack W
Cc: Faulk, Dennis A; Smith, Chris; Strom, Dean N; Golden, James W
Subject: Item for this months UMM

Jack:

I need to document in this months UMM Dennis Faulks concurrence to shut down air monitors N464 and N465 at 100 B/C. The two monitors were added to support the 100 B/C process and sanitary sewer underground pipelines work, which has completed.

Thanks,
Jim
521-0877

Air Monitoring Plan Addendum for the 100-B/C Area Burial Grounds and Remaining Sites Remedial Action (July 2004)

Revisions authorized by this addendum:

1. Section 1.1, 1st paragraph: Insert a new sentence that states, "Additionally, this remedial action work scope includes remedial actions on the process and sanitary sewer underground pipelines."
2. Section 1.1, 2nd paragraph, 1st sentence: Add waste site 118-B-9.
3. Section 1.1, 2nd paragraph, 2nd sentence: Add to the end of this sentence, "as well as process and sanitary sewer underground pipelines (100-B-14 and 100-C-9)."
4. Section 2.1, 1st paragraph: Add a sentence to the end of the paragraph stating, "The radionuclide inventories and subsequent potential emission calculations for the 100-B/C process and sanitary underground pipelines, and 118-B-9 is summarized in Attachment 3. Attachment 3 is included in this addendum."
5. Section 2.1: Insert at the end of the 2nd paragraph the following, "The calculated total unabated annual TEDE to the MEI from the 100-B/C process and sewer underground pipelines and 118-B-9 is $7.34\text{E-}03$ mrem/yr, at a point 9042 meters NW of the 100-B/C at the Hanford Site boundary. Therefore, the total potential offsite dose for all activities covered by this plan is $2.59\text{E-}01$ mrem/yr."
6. Section 4.0: Add a new paragraph after the 1st paragraph to state, "In addition to using the three near-facility downwind air monitors (N466, N496, N497) and one upwind monitor (Yakima Barricade) used for the burial grounds and remaining sites, the 100-B/C process and sanitary sewer underground pipelines will require two additional near-facility air monitors shown in Figure 2. No additional TLDs are required for the process and sanitary sewer underground pipelines." Note: Figure 2 is attached to this addendum and shall be inserted as well.
7. Section 4.0: Add a new paragraph to state, "For the 100-B/C process and sanitary sewer underground pipelines waste sites, soil deposition samples (analyzed for gamma-emitting radionuclides and uranium) will be taken near the N466 air monitor during and after remediation to evaluate trends in the accumulation of radioactivity."
8. Section 5.0: Add the following reference, "BHI, 2003, Total Effective Dose Equivalent for Sampling and Remediation of the 100-B-14, 100-C-9, and 118-B-9 Waste Sites, Calculation No. 0100B-CA-V0176, Rev. 0, Bechtel Hanford, Inc., Richland, Washington."

Attachment 9

Activity ID	Activity Description	IPBS	% Comp	Early Start	Early Finish	2005				2006				2007				2008															
						J	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
FKC7- FY06 CPP 100K AREA FR CURRENT																																	
Total			62	30MAY06A	27SEP07																												
1.01.04.01.07.F8.05 Loadout																																	
ADA07F8M TPA 100K																																	
RK18K18080	Complete 118-K-1 Loadout and Bldg 377	ADA07F8M	100		23MAR07A																												
1.03.05.03.06.02.01 Excavation process																																	
CEC0602A																																	
RK18K18010	Excavation/Sorting for 118-K-1	CEC0602A	79	30MAY06A	30AUG07																												
1.03.05.03.06.02.02 Loadout																																	
CEC0602B																																	
RK18K18020	Loadout for 118-K-1	CEC0602B	100	30MAY06A	26FEB07A																												
RK18K18060	118-K-1 Loadout (ICP 20)	CEC0602B	100	27FEB07A	23MAR07A																												
RK18K18070	118-K-1 Loadout over IPB qty. (ICP 20)	CEC0602B	11	23MAR07A	30AUG07																												
1.03.05.75.25.01.01 Fld. Rem.-100K Non Site Specific Support																																	
CER2501A3 100K Area Non Site Specific FY07																																	
RKDPM60210	118-K-1 FY07 Project Support	CER2501A3	65	02OCT06A	27SEP07																												

Attachment 10

Attachment 11

300 Area D4 Status
June 14, 2007
100/300 Area Combined Unit Manager Meeting

Ongoing Hazardous Material Removal

- 324
- 327
- 328
- 337
- 384
- 3745
- 3746/3746A

Ready for Demolition:

- 3718E
- 3720
- 306W

Demolition Activities:

- 333 – load out is complete (excluding press)
- 3745A – demolished May 2007, load out is ongoing
- 3745B – demolished May 2007, load out is ongoing
- 3719 – demolished May 2007, load out is complete
- 3709 – demolished May 2007, load out is complete
- 3706/3706A – demolition began May 31, 2007

60-Day Project Look Ahead

- Begin demolition of 328/328A, 3720, 3745, 3746/3746A
- Begin hazardous material removal at 321 and 308

Attachment 12

100 Area D4 Status
June 14, 2007
100/300 Area Combined Unit Manager Meeting

Ongoing Demolition Activities

- 163-N/183-N – Above and below grade demolition complete at 163-N. Below grade demolition at 183-N and load-out ongoing.
- 1312-N LERF – Inlet piping, concrete apron and liner load-out ongoing.
- 107-N – Resin removal and grouting complete, preparing for waste shipment to ERDF.
- 105-N – Asbestos removal ongoing.
- 184-N/NA - Hazardous material removal ongoing.
-

60-Day Project Look Ahead

- 1705-N/NA and 1706-N/NA load-out.
- 182-N Asbestos/Hazardous waste removal.
- Remaining 1802N Pipe to be shipped to ERDF.
- MO-829 removal to ERDF.
- MO-055/MO-911 hazardous material removal and demolition.
- Complete load-out of MO-050 and MO-358.